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V H W B
Illinois
Mines

Twenty-Fifth Annual Coal Report

OF THE

Illinois ~~and~~ Bureau of

LABOR STATISTICS

~~1906~~ 1905|06

ALSO THE

Eighth Annual Report

OF THE

ILLINOIS FREE EMPLOYMENT OFFICES

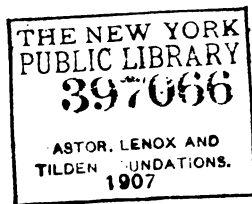
FOR THE

Year Ended September 30, 1906.

DAVID ROSS, *Secretary*, Springfield.



SPRINGFIELD, ILL.
PHILLIPS BROS., STATE PRINTERS.
1907.



BOARD OF COMMISSIONERS OF LABOR.

1906.

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1906.

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STATE INSPECTORS OF MINES.

1906.

First District.

HECTOR MCALLISTER, Streator.

Second District.

THOMAS HUDSON, Galva.

Third District.

JAMES TAYLOR, Peoria.

Fourth District.

THOMAS WEEKS, Bloomington.

Fifth District.

THOMAS MOSES, Westville.

Sixth District.

THOMAS HANNAH, Springfield.

Seventh District.

W. W. WILLIAMS, Litchfield.

Eighth District.

WALTON RUTLEDGE, Alton.

Ninth District.

W. S. BURRIS, Duquoin.

Tenth District.

THOMAS LITTLE, Carbondale.

ILLINOIS FREE EMPLOYMENT OFFICES.

CHICAGO.

NORTH SIDE OFFICE, 259-261 North Clark st., Turner Hall Building.

JOHN E. HUFMEYER, *Superintendent.*

GEORGE REISCH, *Assistant Superintendent.*

MISS SELMA BOSTRUM, *Clerk.*

SOUTH SIDE OFFICE, 429-431 Wabash Avenue.

WILLIAM H. CRUDEN, *Superintendent.*

ANGUS A. BARNES, *Assistant Superintendent.*

MISS MARGARET E. MAY, *Clerk.*

WEST SIDE OFFICE, Southwest Corner Canal and Randolph Sts.

S. P. REVERE, *Superintendent.*

LEON M. NOVAK, *Assistant Superintendent.*

MISS ELIZABETH HENNEBERRY, *Clerk.*

PEORIA.

DICKSON BUILDING, 206 South Jefferson Street.

JOHN KIMSEY, *Superintendent.*

DEDRIK JANSEN, *Assistant Superintendent.*

MISS NONA O. EDSTROM, *Clerk.*



STATE OF ILLINOIS,
OFFICE OF THE BUREAU OF LABOR STATISTICS.

SPRINGFIELD, Jan. 1, 1907.

Honorable Charles S. Deneen, Governor of Illinois:

SIR—I have the honor, on behalf of the Board of Commissioners of Labor, to submit herewith the twenty-fifth annual report of the coal industry of the State for the year ended July 1, 1906, together with the eighth annual report of the Illinois Free Employment offices, for the year ended Sept. 30, 1906.

Very respectfully,

DAVID ROSS,
Secretary.

INTRODUCTORY.

This presentation of the coal statistics of the State completes the twenty-fifth annual report. For a quarter of a century this department has continuously published for the information of the people all the salient facts connected with this important industry. It is the only industrial interest of the State of which a continuous and reliable record has been kept. A similarly complete report of the numerous other productive interests of the State ought to be made, but the funds available for the use of this bureau make such an undertaking impossible.

The annual production of coal has increased from 11,017,069 tons, as given in the first report, to 38,317,581 tons, as shown by this one. The number of men given employment in the industry has increased from 20,290 to 62,283. The figures, 11,017,069 and 38,317,581, represent not alone the growth of coal mining as a business, but the wonderful development of the State and nation during that period. A glance at table No. 27 will show that from a productive standpoint the greatest progress has been made since the year 1897. From that time to the present the annual production has increased 18,244,823 tons, or 91 per cent. Impressive as these figures are, they furnish no idea of the many social and economic changes that have taken place. Within this period of ten years, corresponding with the official life of the present administration of the department, a uniform work day of eight hours has been generally established, thus recognizing a principle which, for a great many years, the labor unions of the country have contended. The net physical and moral gain to the miners resulting from the shorter work day will not be questioned, while experience in the line of actual production combats the conclusion that a reasonable curtailment in the working time of employes does not necessarily reduce the volume of production. During this period the wages of coal miners have increased in many places over 100 per cent. The animosity, growing out of the old method of mine owners attempting to supply all the wants of their employes, has disappeared with the practical obliteration of the so-called truck system. The general adoption in Illinois of the gross weight plan, in the matter of paying for coal mined, and the system of paying wages semi-monthly, has removed the causes for much friction and discontent. These and other changes in the interest of mine workers have been accompanied by the enactment, from time to time, of laws designed to still further protect the health, life and

limbs of coal miners; and in addition to all these advantages there has been developed, through the more perfect organization of mine owners and mine workers, the means of a peaceable adjustment of differences as they have arisen, and in consequence a broader and stronger feeling of brotherhood and recognition of the essential interdependence of these interests everywhere prevails.

An examination of table 29 emphasizes the seasonal character of the coal mining business. It is shown that 69 per cent of the entire product was mined during the six months from October to March, inclusive. Notwithstanding a suspension, beginning April 1, which continued practically for three months, the output exceeds that of last year over one million tons. Taking the month of March, with a product of 5,378,459 tons, as a basis for computing the present productive capacity of the mines of this State, would furnish an annual total of nearly sixty-four and a half million tons. A decided increase in the volume of coal mined by machines is noted in table No. 59. From that it appears that 9,563,230 tons, or substantially one-fourth of the total tonnage, was cut by machines. This showing is significant, in view of the small and supposedly unfair differential between machine and pick mining in Illinois, a difference considerably less than that prevailing in other mining states. Table 65 shows that powder was used in producing 34,260,359 tons, leaving 4,057,222 tons as the product of exclusively pick mines. The same table further shows that 1,027,373 kegs of powder were used, producing an average of 33.25 tons per keg. Where the mining is done exclusively by machines the product per keg was 101 tons. In the powder using mines, where machines are not employed, the product was twenty-seven tons to the keg. These figures cannot be construed in any other light than a criticism, either of the qualification of the men now employed in the mines, or as a rebuke to their work methods. It requires no further inquiry to condemn any system of mining necessitating the use of powder where the actual results, as in this case, yield but a fraction over one ton to every pound of powder burned. These facts, regrettable as they are, fully confirm and justify, in the interest of life, the necessity for and the wisdom of that provision of a recent law requiring that all employes shall be out of the mines during the process of blasting. In the face of such a situation, the merest consideration for human welfare demands that an unskilled hand should not be permitted to touch a deadly explosive where the life of an innocent person may be involved. Instead of removing any of the safeguards, which recent legislation has placed about the mine workers, it will in the future be necessary, unless a different and better qualified class of men be employed, to absolutely prohibit them from handling or being in any way connected with dangerous explosives. Under the present practice the only lives endangered are those of the shot firers. While the law leaves much to their discretion in the matter of shots that ought not to be fired, they are in many instances forced to take chances, and the death roll among that class, since the new regulations became effective, indicate with what fatal results. The provisions of the law, that not to exceed a certain amount of powder shall be used in any one blast, have been persistently disregarded by careless, indifferent and incompetent men. As the person

now designated as shot firer has no means of determining the quantity of powder in a blast, particularly where fuse is used, his life is in peril every time he lights a shot. The only effective way of avoiding such contingencies, thereby saving the lives of the shot firers, is to absolutely divorce the present class of miners from all contact with powder, or other explosives. This plan contemplates the employment of a corps of practical men in each mine where coal is blasted off the solid, men specially trained in that line of work, with a thorough knowledge of the power which explosives of all kinds exert, whose duty it would be to drill, prepare and explode all blasts. This system would leave to the so-called miners the work chiefly of loading coal, a task for which only most of them are adapted. Nothing short of a plan of this kind will solve the problems which the situation presents. It is a useless waste of valuable time enacting laws requiring that only so much powder shall be used, that drill holes shall be made at a certain angle from the free face of the coal, etc. These are terms that only those educated in the business understand, and but very few of that class are now in the mines. Such regulations might be effective if made for the guidance of intelligent men specially fitted for that work, but not otherwise. Objections to the plan here suggested, which is in fact but an extension and completion of the present system of shot firing, may be urged on the ground of expense, and that whether the operator, the miner, or both contribute to meet it. A sufficient reply to such an argument if founded on facts would be that the saving of life is a consideration more important than the saving of dollars. The work of drilling holes and preparing shots would add considerably to the present duties of the shot firers and consequently require the employment of more men, probably three times the number now employed in that connection. Would this necessarily mean more expense? The purpose of the plan is not alone to save life through the more careful and intelligent preparation of shots, but also to avoid the loss consequent upon the burning of so much unnecessary powder. This report shows that 1,027,373 kegs of powder, equal to thirteen thousand tons, were burned in the mines this year, being an increase of nearly 90,000 kegs over 1905. Powder at prevailing prices sells for \$1.75 per keg of twenty-five pounds. According to this calculation the miners paid in 1906 for powder alone nearly one million eight hundred thousand dollars. Much of this property, representing great value, was practically wasted in the hands of incompetent men. It is entirely safe to state that fully one-half of the powder used was burned, not in making, but in destroying coal. If the use of powder in the hands of trained men could perform double the work, as we think it would, then under the present practice the direct money loss to the miners was equal to \$900,000; saying nothing of the loss sustained by the mining plant, and the consuming public, accruing from the production of an inferior quality of coal. Instead of an additional expense under the plan proposed the saving effected would prove the best financial investment the mining industry could make.

Table No. 80 indicates the number of fatal accidents which occurred from all causes during the year; the total number this year being 155 as compared with 199 last year.

Immediately following the enactment of the shot firers' law, particularly after several shot firers had lost their lives, the matter of accidents in our mines was given unusual prominence in the press, the effect of which tended to convey the impression that fatal accidents were increasing out of all proportion to other states.

Taking the tons produced as the basis on which to compute the loss of life, an examination of the records of other states and countries reveal the following facts:

LOSS OF LIFE PER MILLION TONS OF COAL PRODUCED.

Indian Territory.....	13.11	West Virginia.....	6.4
Colorado.....	8.64	Ohio.....	4.67
Pennsylvania (anthracite).....	7.00	United Kingdom.....	4.46
Kansas.....	5.85	Indiana.....	4.28
Montana.....	5.76	Illinois.....	4.05
Tennessee.....	5.78	Pennsylvania (bituminous).....	3.87
Iowa.....	5.27	Missouri.....	2.51

In this list of 14 coal producing States, including Great Britain, Illinois ranks twelfth. Considering that we stand next to Pennsylvania as a coal producing State, the showing here made is quite creditable.

Table 82 reports accidents by causes; those occurring in connection with the use of powder are materially less than for several preceding years. The loss in 1905 from the enumerated causes was greatly increased on account of the Zeigler explosion in which 47 lives were sacrificed. As that explosion was not, in the opinion of experts, due in any sense to powder the number lost at that time should be excluded from the calculation. Omitting those the record for this year compared with the annual average for the six year period reveals a very gratifying reduction. While the experience of this the first year under the shot firers' law sustains the contention that its adoption would diminish the number of fatalities due to such causes, it would be unfair to confine our judgment of the ultimate effects of the law's operation to the results shown by the present year for the reason that many of those accepting the position of shot firer had no previous experience in such work, besides the greater number of lives were lost and the most property destroyed in consequence of firing shots drilled in the solid in entries or other narrow work. This practice was in open violation of the word and spirit of the law, which prohibits any one from drilling or shooting what is known as a dead hole. Had this provision of the law been observed the lives of many of the shot firers who were killed would have been spared. Unfortunately in the case of a few, their deaths were due either to ignorance of their duties or gross and inexcusable negligence. There is every reason to expect, partly from a better knowledge of the work and the exercise of greater care, that the number of accidents from these causes in the future, will be reduced to a minimum. Accidents, particularly in an occupation as hazardous as that of coal mining, seems to sustain a certain relation to the volume of the product and the number of men employed. Both as to men and tons the number employed and the output this year exceed that of any similar period, while, compared with the record of the last few years, there has been a substantial reduction in the number of fatalities resulting from the use of powder.

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TWENTY-FIFTH ANNUAL REPORT.

Statistics of Coal in Illinois for the Year Ended June 30, 1906.

COAL IN ILLINOIS.

This is the twenty-fifth annual compilation of the statistics of coal mining in Illinois. These reports are compiled from the annual reports of the State inspectors of mines, which comprise a part of these records, and are made on blanks prepared by the Bureau for that purpose. The data thus furnished by the inspectors is obtained from prepared schedules sent by the inspectors to the operators, who in turn report in detail the information called for, thus forming an authoritative basis for the various deductions drawn from these returns.

The following are copies of the schedules sent to the operators of the shipping and local mines for the facts set forth in this report:

Schedule for Shipping Mines.

Annual Report of the Operators of Coal Mines to the

State Inspectors of Mines,

To be Reported to the Secretary of the Bureau of Labor Statistics,
For the Year Ended June 30, 1906.

Do Not Fail to Fill Every Blank on the Schedule.

Name of company, or operator.....
Location of mine.....
Post office address of main office.....
Designation of shaft; name, number or letter.....
Total tons mine run coal.....
Total tons lump coal.....
Total tons of egg coal.....
Total tons nut coal.....
Total tons slack or waste coal.....
Total tons, output, all grades, for the year ended June 30, 1906.....
Average value per ton of mine run coal at the mine..... (a) \$.....
Average value per ton lump coal at the mine..... (a) \$.....
Average value per ton egg coal at the mine..... (a) \$.....
Average value per ton nut coal at the mine..... (a) \$.....
Average value per ton screenings at the mine..... (a) \$.....
Average value per ton slack or waste at the mine..... (a) \$.....
(a) Sum total of sales, each grade, divided by total tons of same.

Total tons shipped on cars at the mine.....	
Total tons supplied at mine chutes to locomotives.....	
Total tons sold to local trade.....	(a)
Total tons consumed and wasted at mine.....	(b)
Total	

(b) Including all coal not sold.

Name of Railroad.	Tons.
.....
.....
.....
.....
Total tons shipped.....

Name of Railroad.	Tons.
.	.
.	.
.	.
.	.
.	.
.	.
Total tons supplied to locomotives.....	.

Average number of miners employed during the year (d).....	
Number of other employ��s under ground.....	
Number of boys employed under ground.....	
Number of all employ��s above ground.....	
Total number of employ��s.....	
Total tons mined by hand.....	
Total tons mined by machine.....	
Price paid per gross ton for hand mining.....	\$.....
Price paid per gross ton for machine mining.....	\$.....
Are wages paid monthly, semi-monthly or weekly?.....	
Number and names of machines in use.....	

(e) As far as possible, give the cause of injury on the blank furnished for non-fatal accidents.

Powder.

Number of kegs used for blasting coal.....
 Number of kegs used for other purposes.....

Dynamite.

Quantity used during year.....
 For what purpose.....

Motors in Use.

Name and kind of motor.....

Manner of Blasting Coal.

Is coal blasted from solid?.....
 Is coal undercut before blasting?.....

Total tons, all grades, by months.

1905.	Total Tons.	1906.	Total Tons.
July		January	
August		February	
September		March	
October		April	
November		May	
December		June	

Total tons, output, all grades, for the year ended June 30, 1906.....

SCHEDULE FOR LOCAL MINES.

Annual Report of the Operators of Local Coal Mines
 to the

State Inspectors of Mines,

For the Year Ending June 30, 1906.

Name of operator.....
 Post office address

Number of tons or bushels of lump coal produced.. } Tons

Number of tons or bushels of other grades, slack, } Bushels

nut, etc. } Tons

Selling price per ton or bushel of lump coal at } Bushels

the mine } Tons, \$.....cents

Selling price per ton or bushel of other grades of } Bushelcents

coal at the mine..... } Tons, \$.....cents

Price paid per ton or bushel for mining..... } Bushelcents

Number of miners employed..... } Summer

Number of other employes..... } Winter

Number of days the mine worked during the year.....
 Number of kegs of powder used during the year.....
 Number of men injured so as to lose 30 days or more of time.....
 Is your mine shaft, slope or drift?.....
 Is horse, hand or steam power used for hoisting coal?.....
 Give vertical depth of shaft or slope—in feet.....
 Have you a steam boiler at the mine?.....
 Give the number of bushels of coal per day used for boiler.....

Please fill out this blank and return promptly to.....

State Mine Inspector,.....District.

The number of mine inspection districts of the State was increased by an Act of the Forty-fourth General Assembly (1905) from seven to ten; this law went into effect July 1, 1905. This change in the number of districts, with the consequent shifting of the several coal producing counties forming the newly created districts, makes the usual comparisons of output and other matters impossible.

The districts of the State as now formed are here given with the coal producing counties comprised in each:

- First District—The counties of Grundy, Kankakee, LaSalle, Will.
 Second District—The counties of Bureau, Henry, Knox, Mercer, Rock Island, Warren.
 Third District—The counties of Livingston, Marshall, Peoria, Putnam, Stark, Woodford.
 Fourth District—The counties of Fulton, Hancock, McDonough, McLean, Tazewell.
 Fifth District—The counties of Edgar, Macon, Vermillion.
 Sixth District—The counties of Brown, Cass, Logan, Menard, Sangamon, Schuyler.
 Seventh District—The counties of Calhoun, Christian, Green, Jersey, Macoupin.
 Eighth District—The counties of Bond, Madison, St. Clair.
 Ninth District—The counties of Clinton, Franklin, Hamilton, Jefferson, Marion.
 Tenth District—The counties of Gallatin, Jackson, Johnson, Saline, Williamson.

From the reports of the several inspectors the following summary is obtained:

SUMMARY FOR THE YEAR ENDED JUNE 30, 1906.

Number of counties producing coal	54
Number of mines and openings of all kinds	1,018
New mines or old mines reopened during the year	151
Mines closed or abandoned since last report	123
Total output of all mines, in tons of 2,000 pounds	38,317,581
Number of shipping or commercial mines	419
Total output of shipping mines, tons	37,122,811
Number of mines in local trade only	599
Output of local mines, tons	1,194,770
Total tons of mine-run coal	9,777,905
Total tons of lump coal	16,878,088
Total tons of egg coal	1,850,427
Total tons of nut coal	1,931,988
Total tons of pea coal	6,622,087
Total tons of slack coal	1,257,086
Total tons shipped	33,096,110
Tons supplied to locomotives at the mines	1,035,344
Tons sold to local trade	2,539,678
Tons consumed (or wasted) at the plant	1,646,449
Average days of active operation for shipping mines	189.6
Average days of active operation for all mines	172
Average value per ton, all grades at shipping mines	\$1.025
Average value per ton of mine-run coal at shipping mines	\$0.983
Average value per ton of lump coal at shipping mines	\$1.292
Average value per ton of egg coal at shipping mines	\$1.224
Average value per ton of nut coal at shipping mines	\$0.991
Average value per ton of pea or screenings coal at the mines	\$0.504
Average value per ton of slack coal at the mines	\$0.319
Aggregate home value of total product	\$39,895,802
Average value per ton, all grades, at the mines	\$1.041
Number of mines in which mining machines are used	85
Number of mining machines in use	962
Number of tons cut by machines	9,563,230
Number of tons mined by hand	28,754,351

Average number of miners employed during the year	42,920
Average number of other employes underground	11,605
Average number of boys employed underground	1,499
Average number of employes above ground	6,259
Total employes	62,283
Number of persons at work underground	56,024
Number at work on surface	6,259
Average price paid per gross ton for hand mining, shipping mines	\$0.5702
Average price paid per gross ton for machine mining	\$0.442
Number of kegs of powder used for blasting coal	1,027,373
Number of kegs of powder used for other purposes	2,749
Number of pounds of dynamite	41,137
Number of men accidentally killed	155
Number killed inside of the mines	147
Number killed outside of the mines	8
Number of wives made widows	108
Number of children left fatherless	333
Number of men injured so as to lose a month or more of time	480
Number of gross tons mined to each life lost	247,210
Number of employes to each life lost	402
Number of deaths per 1,000 employed	2.5
Number of gross tons mined to each man injured	79,828
Number of employes to each man injured	130
Number injured to 1,000 employed	7.7

A comparison of some of the leading totals of former years shows the following differences: Fifty-four counties are reported this year as producing coal; this is two less than last year. Twenty years ago, 1887, only 49 counties were reported as producing coal; in 1890 and the next year 57 counties were reported; this is the largest number of counties ever reported; the number has varied from this last number down to 50 counties in 1897 and again to the number reported last year.

The number of mines reported this year is 1,018; this is a larger number than reported for any former year, the main increase being in mines of the shipping class, which now numbers 419, leaving 599 classed as local mines, whose output was only 3.12 per cent of the total output of the State.

The output for this year is 1,134,207 tons more than last year; the total output being 38,317,581 tons, of this total 37,122,811 tons or 96.88 per cent was the output of the shipping mines.

This year, in addition to the usual record of the tonnage of the mines, reports were secured of the tonnage by months from the operators of shipping mines; from these returns it is evident that the total tonnage of the State was materially lessened by the suspension of operations during the month of April and part of May, pending a settlement between the miners and operators of the rate for mining and other contingent rates for the succeeding two years to take effect April 1 of this year.

During the twelve months covered by this report it is found that for ten months, omitting April and May, the output of the shipping mines was 36,071,410 tons or 97.2 per cent of the total, leaving 1,051,401 tons or 2.8 per cent as the output for April and May. All of the months show an increase in tonnage over the preceding month up to April 1; the largest increase is found to be that of August over July, which was 948,702 tons or 50.2 per cent. The largest output in any one of the months during the year was in March, which was 5,378,459 tons. The

majority of the shipping mines of the State, if not the entire number, were operated at their maximum capacity during the month of March, contemplating the suspension already referred to; such being the case a fair estimate of the ability of these mines for the year, as then equipped, would be 64,541,508 tons.

The aggregate value of the total product of all mines for the year was \$39,895,802; the average value of coal per ton at the mines, in all parts of the State, was \$1.041, being the same as for 1905. The value per ton at the shipping mines for the several grades of coal varies some from that of last year; mine run sold for five cents less this year; lump for two cents more; egg for one cent less; nut for thirteen cents more. The tonnage of this latter grade of coal this year is only 5 per cent less than that of last year.

The number of persons working in the coal industry of the State increased 5 per cent, while the tonnage was only increased 3 per cent. Machine mining this year shows a marked increase over that of last year; the number of mines using machines is seven more than last year, the number of machines used increased by 178, or 22.7 per cent, while the coal cut by machines increased 1,361,164 tons, or 16.6 per cent. This year compared with the record of machines mining 10 years ago, 1897, it is found that the number of mines using machines increased by 42, or 97.7 per cent; the increase in the number of machines used was 642, or 200 per cent. The output of machine mines for 1897 was 3,946,257 tons, for this year it was 9,563,230 tons, an increase of 5,616,973 tons, or 142.6 per cent.

The quantity of powder used during the year was 1,030,022 kegs, this is 87,364 kegs or 9.27 per cent more than used last year. Ten years ago, 1897, there were 261,392 kegs of powder consumed; the output of coal for the same year being 15,660,698 tons; compared with this year the increase of powder was 768,630 kegs, or 294 per cent, while the increase in the output of coal is 22,656,883 tons, or 144.7 per cent; showing the increase of the ratio of powder to be more than double that of tons of coal produced.

A further analysis is presented of the use of powder used this year in reducing the coal in the mines of the State; this is set out in Tables 68, 69 and 70, wherein a separation of the manner of mining coal has been made, giving separately the mines, men, tons and kegs of powder used in hand and machine mines separately and where both systems of mining is employed.

The fatal casualties in the mines this year was 155; this is 44 or 22.11 per cent less than last year, and less than for any year since 1902. The non-fatal accidents for the year was 480; this comprises men who received injuries causing the loss of 30 or more days; the total number injured is 55 less than last year and 27 less than in 1904.

CLASSIFICATION OF MINES.

In presenting the classification of the coal mines of the State, giving the number of mines, men and tons, the distinction is made between those defined as shipping or commercial mines and those designated as local mines. While the shipping mines represent almost the entire capital, labor and output of this great industry, the local mines have their

place in the making up of the entire record and in supplying fuel for the immediate neighborhoods in which they are located. This is the fifth year that the distinction named has been carried through all of the computations drawn from the returns made by the operators through the inspectors.

The following table shows the number of mines, men and tons for the State and for each class in the several districts:

TABLE 1—*Mines, Men and Tons, Shipping and Local Mines, by Districts, 1906.*

DISTRICT.	TOTAL.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First	72	7,091	2,936,330	34	6,768	2,843,504	38	323	92,826
Second	142	6,293	2,311,494	22	5,663	2,067,227	120	630	224,267
Third	129	3,623	1,869,023	29	3,067	1,675,654	100	566	193,369
Fourth	175	3,845	2,026,383	33	3,261	1,843,293	142	584	183,090
Fifth	66	3,997	2,283,018	26	3,683	2,128,332	40	314	154,686
Sixth	83	7,856	5,160,607	49	7,646	5,097,776	34	210	62,831
Seventh	71	6,895	4,878,092	36	6,621	4,815,963	35	274	62,139
Eighth	121	8,633	7,330,093	78	8,334	7,189,785	43	299	140,308
Ninth	62	6,390	4,132,639	52	6,324	4,110,043	10	56	22,596
Tenth	97	7,670	5,389,902	60	7,494	5,331,244	37	176	58,658
The State.	1,018	62,283	38,317,581	419	58,851	37,122,811	599	3,432	1,194,770

Considering the totals for the State, it is found that the increases over last year have been: mines, 2.83 per cent; men, 5.15 per cent; tons, 3.05 per cent.

The following table shows the percentages of the mines, men and tons located in each of the 10 districts, also the percentages of the same numbers as to shipping and local mines in each district

TABLE 2—*Percentages of Mines, Men and Tons, All Mines, and of Shipping and Local Mines, 1906.*

DISTRICTS.	PERCENTAGES.								
	ALL MINES.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First	7.07	11.39	7.66	47.22	95.44	96.84	52.78	4.56	3.16
Second	13.95	10.10	6.03	15.49	89.99	90.30	84.51	10.01	9.70
Third	12.67	5.82	4.88	22.48	84.38	89.65	77.52	15.62	10.35
Fourth	17.19	6.18	5.29	18.86	81.81	90.96	81.14	15.19	9.04
Fifth	6.48	6.42	5.96	39.39	92.14	93.22	60.61	7.86	6.78
Sixth	8.15	12.60	13.47	59.04	97.33	98.78	40.96	2.67	1.22
Seventh	6.96	11.07	12.73	50.70	96.03	98.73	49.30	3.97	1.27
Eighth	11.89	13.86	19.13	64.46	96.54	98.09	35.54	3.46	1.91
Ninth	6.09	10.25	10.78	83.87	99.12	99.45	16.13	0.88	0.55
Tenth	9.53	12.31	14.07	61.86	97.71	98.91	38.14	2.29	1.09
The State	100.00	100.00	100.00	41.16	94.49	96.88	58.84	5.51	3.12

Referring to the percentages of all of the mines, men and tons of the State, it will be seen that the fourth district contains the largest number of mines, being 17.19 per cent; while the ninth district has the smallest number, 6.09 per cent. The largest number of men employed is 13.86 per cent in the eighth district, the smallest number or 5.82 per cent in the third district. Much the largest proportion of the output was produced by the eighth district, 19.13 per cent; this was furnished by the three coal producing counties in that district, Bond, Madison and St. Clair; the smallest output, 4.88 per cent, appears in the third district.

Observing the percentages of the same numbers for the shipping and local mines, it is found for the State, that shipping mines represent 41.16 per cent of the whole number, employing 94.49 per cent of the men, and produced 96.88 per cent of the total tonnage.

The number of mines in the shipping class increased 5.54 per cent over last year, and 35.16 per cent over the number reported ten years ago. Contrasting the foregoing, the local mines, representing 58.84 per cent of the whole number, gave employment to only 5.51 per cent of the men, and producing but 3.12 per cent of the coal mined in the State.

INCREASE OR DECREASE.

The next table presents the total number of mines, men and tons of the State for the years 1905 and 1906, and for the ten districts, showing

the increase or decrease in each. The totals for 1905 are derived from and based on the reports from the counties of the seven districts of that year, and now comprising the ten inspection districts of the State.

TABLE 3—*Mines, Men and Tons for the Years 1905 and 1906, with the Increase or Decrease, by Districts.*

DISTRICT.	TOTALS—1905.			TOTALS—1906.			INCREASE (+) OR DECREASE (—) FOR YR. 1906.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	76	7,656	3,152,413	72	7,091	2,996,330	— 4	— 565	—216,083
Second.....	146	6,333	2,620,365	142	6,293	2,311,494	— 4	— 40	—308,871
Third.....	134	3,764	1,860,328	129	3,623	1,969,023	— 5	— 141	+ 8,695
Fourth.....	142	3,318	1,905,004	175	3,845	2,026,383	+33	+ 527	+121,379
Fifth.....	73	4,529	2,820,553	66	3,997	2,283,018	— 7	— 532	—537,535
Sixth.....	82	7,445	5,253,437	83	7,856	5,160,607	+ 1	+ 411	— 92,830
Seventh.....	89	5,896	4,018,396	71	6,895	4,878,092	—18	+1,009	+859,694
Eighth.....	113	8,063	6,515,753	121	8,633	7,330,093	+ 8	+ 570	+814,340
Ninth.....	62	5,994	4,012,980	62	6,380	4,132,639	.....	+ 386	+119,659
Tenth.....	73	6,242	5,024,143	97	7,670	5,399,902	+24	+1,428	+365,759
The State....	990	59,230	37,183,374	1,018	62,293	38,317,581	+28	+3,053	+1,134,107

From this it is shown that the number of mines increased in the fourth, sixth, eighth and tenth districts, and decreased in the first, second, third, fifth and seventh; the ninth district had the same number for both years; the net increase being 28 mines. The main increase in the number of men employed appears in the seventh and tenth districts, the decrease was chiefly in the first and fifth districts; however, the net increase in the number of men was 3,053. The total net increase in the output was 1,134,207 tons; this was principally in the seventh, eighth and tenth districts.

SHIPPING AND LOCAL MINES.

The following table presents the total number of mines, men and tons for a series of 14 years; also the same for the two classes, shipping and local mines. During these years the number of all mines has increased 29.2 per cent; the number of men employed 76 per cent and the output 92.1 per cent. The number of shipping mines has increased 35.2 per cent; men 104.9 per cent; and the output 92.8 per cent. Local mines

have increased in number 25.3 per cent and the output 72.7 per cent; while the number of men employed has decreased 48.4 per cent.

TABLE 4—*Mines, Men and Tons, Shipping and Local Mines, for Fourteen Years.*

YEAR.	TOTAL			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,564	310	28,737	19,257,682	478	6,653	691,882
1894.....	836	38,477	17,113,576	319	31,243	16,106,613	517	7,234	1,006,963
1895.....	874	38,630	17,735,864	319	31,174	16,578,890	555	7,456	1,156,974
1896.....	901	37,082	19,786,626	330	28,186	18,263,056	571	8,847	1,523,570
1897.....	853	33,788	20,072,758	310	31,322	19,386,573	543	2,466	686,186
1898.....	881	35,026	18,599,299	329	32,297	17,655,561	552	2,729	943,738
1899.....	889	36,991	23,434,445	323	34,307	22,531,356	566	2,684	903,089
1900.....	920	39,384	25,153,929	323	36,298	24,056,996	597	3,086	1,096,933
1901.....	915	44,143	26,635,319	331	40,926	25,526,816	584	3,217	1,108,503
1902.....	915	46,005	30,021,300	332	42,807	28,824,750	583	3,198	1,196,550
1903.....	933	49,814	34,955,400	353	46,494	33,676,537	580	3,320	1,278,863
1904.....	932	54,774	37,077,897	380	51,384	35,779,517	552	3,390	1,298,380
1905.....	990	59,230	37,183,374	397	55,743	35,956,543	593	3,487	1,226,831
1906.....	1,018	62,253	38,317,581	419	58,861	37,122,811	599	3,432	1,194,770
Increase	230	26,893	18,368,017	109	30,154	17,865,129	121	*3,221	502,888
Percentages of increase..	29.19	75.99	92.07	35.16	104.93	92.77	25.31	*48.41	72.68

* Decrease.

The same totals for all mines with the percentages of the relative efficiency of the shipping and local mines for 14 years are shown in the following table:

TABLE 5—*Mines, Men and Tons, with Percentages of Shipping and Local Mines for Fourteen Years.*

YEARS.	TOTALS—ALL MINES.			PERCENTAGES.					
				SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,564	39.34	81.20	96.53	60.66	18.80	3.47
1894.....	836	38,477	17,113,576	38.16	81.20	94.10	61.84	18.80	5.90
1895.....	874	38,630	17,735,964	36.50	80.70	93.48	63.50	19.30	6.52
1896.....	901	37,032	19,786,626	36.62	76.11	96.26	63.38	23.89	3.74
1897.....	853	33,788	20,072,758	36.38	92.72	96.53	63.62	7.28	3.47
1898.....	881	35,026	18,599,299	37.49	92.30	94.93	62.51	7.70	5.07
1899.....	889	36,991	23,434,445	36.33	92.74	96.15	63.67	7.26	3.85
1900.....	920	39,384	25,153,929	35.11	92.16	95.64	64.89	7.84	4.36
1901.....	915	44,143	26,635,319	36.17	92.71	95.84	63.83	7.29	4.16
1902.....	915	46,005	30,021,300	36.28	93.06	96.01	63.72	6.95	3.99
1903.....	933	49,814	34,955,400	37.83	93.34	96.34	62.17	6.66	3.66
1904.....	932	54,774	37,077,897	40.77	93.81	96.50	59.23	6.19	3.50
1905.....	990	59,230	37,183,374	40.10	94.11	96.70	59.90	5.89	3.30
1906.....	1,018	62,283	38,317,581	41.16	94.49	96.88	58.84	5.51	3.12

From this showing it is seen that the shipping mines attained for this year an increase as to mines, men and tons over any former year.

GROUPING OF MINES BY OUTPUT.

The grouping or classification of all of the coal mines of the State, based on their output, is presented in the following table:

TABLE 6—*Grouping of Mines by Tonnage and Districts, 1906.*

DISTRICTS.	TONNAGE AND MINES PRODUCING—											
	Under 1,000.		1,000 and under 10,000.		10,000 and under 50,000.		50,000 and under 100,000.		100,000 and under 200,000.		200,000 and over.	
	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.
First	14	6,585	25	75,830	10	296,733	9	642,759	14	1,914,424	.....	.....
Second	71	29,526	53	173,446	5	85,614	4	298,390	4	515,443	5	1,209,075
Third	62	13,591	39	131,132	15	297,629	8	540,606	3	397,359	2	498,706
Fourth	109	38,703	38	137,590	17	396,999	5	297,473	5	738,573	2	437,054
Fifth	7	3,342	33	127,134	13	407,299	7	431,478	3	453,471	3	960,333
Sixth	23	11,673	12	33,987	20	967,751	3	235,651	20	2,711,490	5	1,180,105
Seventh	17	9,621	18	45,426	10	276,152	7	563,089	11	1,678,444	8	2,305,360
Eighth	14	7,698	26	83,999	37	1,112,785	20	1,413,305	13	1,715,543	11	2,996,762
Ninth	1	120	12	37,429	27	822,824	5	326,998	12	1,601,704	5	1,343,569
Tenth	19	6,373	26	103,150	13	424,234	21	1,376,274	12	1,745,805	6	1,734,066
The State.	336	127,232	282	949,073	167	5,097,972	89	6,116,018	97	13,462,256	47	12,565,030

This exhibit reveals the respective importance of the six different groupings of mines as to their production of the coal for the year. The smaller mines are largely in excess as to numbers; it is shown that 618 of this class, being 60.7 per cent of the whole number and producing less than 10,000 tons each, had a total output of 1,076,305 tons, or 2.81 per cent of the total output.

The following table of percentages of mines, men and tons, by districts, presents a better opportunity for comparison:

TABLE 7—*Percentages of Mines, Men and Tons of Specified Classes, by Districts.*

DISTRICT.	PERCENTAGES OF MINES, MEN AND TONS—MINES PRODUCING—											
	LESS THAN 10,000 TONS.			OVER 10,000 AND LESS THAN 50,000 TONS.			OVER 50,000 AND LESS THAN 100,000 TONS.			OVER 100,000 TONS.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First	54.17	3.91	2.81	13.89	11.73	10.11	12.50	23.30	21.89	19.44	61.06	65.19
Second	87.32	9.68	8.78	3.52	2.61	3.70	2.82	9.29	12.91	6.34	78.42	74.61
Third.....	78.29	13.91	7.74	11.63	16.64	15.92	6.20	21.53	28.93	3.88	47.92	47.41
Fourth.....	83.43	19.17	8.70	9.71	19.30	19.10	2.86	15.37	14.19	4.00	46.16	58.01
Fifth.....	60.61	9.68	5.71	19.69	19.54	17.84	10.61	21.54	18.90	9.09	49.24	57.55
Sixth.....	42.17	2.51	0.88	24.10	10.05	19.14	3.61	18.75	4.57	30.12	68.69	75.41
Seventh.....	49.30	4.12	1.13	14.08	9.49	5.66	9.86	16.27	11.54	26.76	70.12	81.67
Eighth.....	33.06	2.76	1.25	30.58	18.78	15.18	16.53	18.68	19.28	19.83	59.80	64.29
Ninth.....	20.97	1.91	0.91	43.55	26.32	19.91	8.06	8.07	7.91	27.42	63.70	71.27
Tenth.....	46.39	4.57	2.03	13.40	11.81	7.87	21.65	26.49	25.54	18.56	51.13	64.56
The State.	60.71	5.95	2.81	16.40	14.08	13.30	8.74	18.02	15.96	14.15	61.95	67.93

Here it appears that, by subdividing the four groups into two, the class producing less than 50,000 tons, accounts for 77.11 per cent of the mines; 20.03 per cent of the men and 16.11 per cent of the tonnage; while the mines whose output was 50,000 tons and over represent only 22.89 per cent of the mines but show the employment of 79.97 per cent of the men, and produced 83.89 per cent of all the coal.

This matter is further illustrated in the following table:

TABLE 8—*Classification of Mines as to Tonnage, with Percentages of Mines, Men and Tons, 1906.*

MINES PRODUCING.	Number of mines.	Number of men.	Tonnage.	PERCENTAGES OF		
				Mines.	Men.	Tons.
Less than 1,000 tons.....	336	967	127,232	33.01	1.55	0.33
1,000 and less than 10,000.	252	2,738	949,073	27.70	4.40	2.48
10,000 and less than 50,000.....	167	8,772	5,097,972	16.40	14.08	13.30
50,000 and less than 100,000.....	89	11,222	6,116,018	8.74	18.02	15.96
100,000 and less than 200,000.....	97	21,483	13,462,256	9.53	34.49	35.14
200,000 and over.....	47	17,101	12,565,030	4.62	27.46	32.79
Totals.....	1,018	62,283	38,317,581	100.00	100.00	100.00

Here is shown the total number of mines, men and tons in each class and the State, also the percentages.

The grouping of these mines already shown is presented in the following table for a series of twenty-four years:

TABLE 9—*Number of Mines in Specified Groups of Tonnage for a Series of Twenty-four Years.*

YEAR.	NUMBER OF MINES PRODUCING—						Total mines.
	Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.	
1883.....	209	233	133	39	10	15	639
1884.....	262	273	148	38	16	4	741
1885.....	296	390	143	40	13	1	778
1886.....	216	290	135	44	11	3	799
1887.....	320	278	141	42	18	2	801
1888.....	327	272	151	47	20	5	822
1889.....	321	316	139	55	20	3	854
1890.....	398	301	155	54	24	4	936
1891.....	403	260	161	52	37	6	918
1892.....	332	239	151	65	46	6	839
1893.....	282	232	140	75	47	12	788
1894.....	312	252	161	61	44	6	836
1895.....	319	276	145	61	45	9	855
1896.....	330	290	128	63	45	16	862
1897.....	346	250	120	79	41	17	853
1898.....	351	244	151	96	42	7	891
1899.....	346	261	123	78	56	25	899
1900.....	340	295	123	70	65	27	920
1901.....	313	308	124	79	58	33	915
1902.....	314	263	152	76	72	38	915
1903.....	313	293	120	75	87	45	933
1904.....	301	275	140	72	98	46	932
1905.....	321	299	147	83	98	52	990
1906.....	336	282	167	89	97	47	1,018
Increase in 24 years.....	127	49	34	50	87	32	379

The noticeable feature here is the variable increase and decrease in the number of mines in the several groups, from year to year, there being no uniformity in this regard in either of the groups or in the total number for the State. Compared with last year, the number of mines, whose output was less than 50,000 tons, increased by 18, while there was an increase of 10 in the number of mines producing more than that number of tons.

The following table presents the same features as the preceding table but reduced to percentages:

TABLE 10—*Percentages of Mines in Specified Grouping of Tonnage for a Series of Twenty-four Years.*

YEAR.	Total mines.	PERCENTAGES OF MINES PRODUCING—					
		Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.
1883	639	32.71	36.47	20.81	6.10	1.56	2.35
1884	741	35.86	36.84	19.97	5.13	2.16	.54
1885	778	36.76	37.27	18.38	5.14	2.32	.13
1886	789	40.06	35.49	17.11	5.58	1.39	.38
1887	801	39.96	34.71	17.60	5.24	2.25	.25
1888	822	39.79	33.09	18.37	5.71	2.43	.61
1889	854	37.59	37.00	16.28	6.44	2.34	.35
1890	936	42.52	32.16	16.56	5.77	2.56	.43
1891	918	43.79	28.32	17.54	5.67	4.03	.65
1892	839	39.69	29.44	17.76	7.08	4.89	1.19
1893	798	35.91	29.44	16.24	10.92	5.71	1.78
1894	836	37.08	29.07	19.62	8.25	5.26	.72
1895	859	36.43	33.29	16.65	7.33	5.25	1.05
1896	874	38.90	30.66	14.88	8.35	5.61	1.60
1897	863	40.56	29.31	14.07	9.26	4.81	1.99
1898	881	39.84	27.70	17.14	9.76	4.77	.79
1899	889	38.92	29.36	13.84	8.66	6.41	2.81
1900	920	36.96	32.07	13.37	7.61	7.06	2.93
1901	915	34.21	33.66	13.55	8.63	6.34	3.61
1902	915	34.32	28.74	16.61	8.31	7.87	4.15
1903	983	33.55	31.40	12.86	8.04	9.33	4.82
1904	982	32.30	29.50	15.02	7.73	10.51	4.94
1905	990	32.43	30.20	14.85	8.38	8.89	5.25
1906	1,018	33.01	27.70	16.40	8.74	9.53	4.62
Percentages of increase in 24 years		60.77	21.03	25.56	128.21	870.00	213.33

Here can be seen the importance of the different classes of mines in producing the yearly output of the State. Compared with the record of ten years ago, it will be seen that the number of mines producing 50,000 tons and over have increased seven per cent, and a like per cent of decrease in the number of mines producing less than that tonnage.

A further presentation of this grouping of mines is shown in the following table:

TABLE 11—*Grouping of Mines by Tonnage for a Series of Fifteen Years.*

YEAR.	TONNAGE OF MINES PRODUCING—					
	Under 1,000 tons.	1,000 and under 10,000.	10,000 and under 50,000.	50,000 and under 100,000.	100,000 and under 200,000.	200,000 and over.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1892.....	147,777	1,058,078	4,134,259	4,293,472	5,855,091	2,373,599
1893.....	121,636	726,199	3,132,499	6,179,487	6,291,965	3,497,778
1894.....	137,507	702,623	4,022,545	4,742,257	6,035,094	1,473,550
1895.....	151,430	866,019	3,609,918	4,416,969	6,346,937	2,344,591
1896.....	141,690	807,148	3,265,822	5,049,694	6,557,545	3,962,435
1897.....	150,445	773,526	3,162,713	5,693,193	5,778,374	4,514,507
1898.....	161,622	692,149	3,785,962	6,351,513	5,898,596	1,709,457
1899.....	137,562	790,948	2,877,117	5,618,924	7,443,023	6,566,851
1900.....	154,318	969,424	3,255,570	5,009,326	8,995,963	6,769,328
1901.....	227,419	838,989	3,393,827	5,795,953	8,008,897	8,370,234
1902.....	161,058	763,597	3,694,890	5,376,350	9,923,538	10,101,867
1903.....	126,678	871,342	3,396,343	5,445,195	12,387,437	12,728,405
1904.....	126,397	934,042	3,602,660	5,200,551	13,753,975	13,460,272
1905.....	129,403	993,394	3,852,565	5,868,103	12,158,090	14,181,792
1906.....	127,232	949,073	5,097,972	6,116,018	13,462,256	12,565,090
Increase (+) or decrease (—) in 15 years..	—20,545	—109,005	+963,713	+1,822,546	+7,607,165	+10,191,431

Here is shown the specific tons produced by the different classes of mines for a series of fifteen years. The two groups producing 100,000 tons or more show an increase during these years of a tonnage nearly equal to the total output of all the mines of the State for the year 1892, first shown in the table. There was a falling off from last year in the tonnage of the two groups, showing an output of 100,000 tons and over, amounting to over 300,000 tons. Counteracting this decrease in the larger plants of the State, it is shown that the mines of the two groups producing 10,000 tons and less than 100,000 exhibit an increase of about one and a half million tons.

The table following presents the total tonnage of the State for 15 years, with the percentages of the tons produced in each of the six groups which have been shown in this series of tables:

TABLE 12—*Percentages of Tons Produced by Specified Grouping of Tonnage for Fifteen Years.*

YEARS.	Total tons	PERCENTAGE OF TONS PRODUCED BY MINES PRODUCING—					
		Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.
1892	17,862,276	.82	5.92	23.15	24.04	32.78	13.29
1893	19,949,564	.61	3.64	15.70	30.98	31.54	17.53
1894	17,113,576	.80	4.11	23.50	27.71	35.26	8.61
1895	17,735,864	.85	4.88	20.35	24.91	35.79	13.22
1896	19,784,334	.72	4.08	16.51	25.52	33.14	20.03
1897	20,072,758	.75	3.85	15.75	28.37	28.79	22.49
1898	18,589,299	.87	3.72	20.36	34.15	31.71	9.19
1899	23,434,445	.59	3.98	12.28	23.97	31.76	28.02
1900	25,153,929	.61	3.86	12.94	19.92	35.76	26.91
1901	26,635,319	.85	3.15	12.74	21.76	30.07	31.43
1902	30,021,300	.54	2.54	12.31	17.90	33.06	33.65
1903	34,955,400	.36	2.49	9.72	15.58	35.44	36.41
1904	37,077,897	.34	2.52	9.72	14.03	37.09	36.30
1905	37,183,374	.35	2.67	10.36	15.78	32.70	38.14
1906	38,317,581	.33	2.48	13.31	15.96	35.13	32.79
Percentage of increase (+) or decrease (—) in fifteen years.....	+53.38	—13.90	—10.30	+23.31	+42.45	+129.92	+429.37

The last line of the table presents the percentages of increase or decrease since the year 1892, and shows that the total output of the State has increased during these years 53.38 per cent; each of the two groups of mines producing less than 10,000 tons show a decrease, while all of the other groups show a decided increase.

COLLIERIES OF LARGEST OUTPUT.

The collieries of the State of largest output have, for a number of years, been presented in these reports in two classes, giving the names of the operators and the location of the mines, with the tonnage of each. The division has been of the mines producing 100,000 tons and less than 200,000, and those whose output is more than 200,000 tons.

The following table presents in tabular form the collection of statistics for the year 1900.

TABLE 1.—*Population of the United States, 1900.* (The total population of the United States, 1900, was 76,000,000.)

State or Territory.	Population.	Percentage of Total Population.
Alabama	1,000,000	1.3
Alaska	60,000	0.08
Arizona	100,000	0.13
Arkansas	1,000,000	1.3
California	1,500,000	1.97
Colorado	500,000	0.66
Connecticut	1,000,000	1.3
Delaware	200,000	0.26
District of Columbia	100,000	0.13
Florida	1,000,000	1.3
Georgia	1,000,000	1.3
Hawaii	100,000	0.13
Idaho	100,000	0.13
Illinois	2,500,000	3.29
Indiana	2,000,000	2.63
Iowa	1,500,000	1.97
Kansas	1,000,000	1.3
Kentucky	1,000,000	1.3
Louisiana	1,000,000	1.3
Maine	500,000	0.66
Maryland	500,000	0.66
Massachusetts	1,500,000	1.97
Michigan	2,000,000	2.63
Minnesota	1,500,000	1.97
Mississippi	1,000,000	1.3
Missouri	2,000,000	2.63
Montana	100,000	0.13
Nebraska	1,000,000	1.3
Nevada	100,000	0.13
New Hampshire	500,000	0.66
New Jersey	1,500,000	1.97
New Mexico	100,000	0.13
New York	4,000,000	5.26
North Carolina	1,500,000	1.97
North Dakota	100,000	0.13
Ohio	3,000,000	3.95
Oklahoma	100,000	0.13
Oregon	100,000	0.13
Pennsylvania	4,000,000	5.26
Rhode Island	500,000	0.66
South Carolina	1,000,000	1.3
South Dakota	100,000	0.13
Tennessee	1,500,000	1.97
Texas	2,000,000	2.63
Vermont	200,000	0.26
Virginia	1,500,000	1.97
Washington	100,000	0.13
West Virginia	500,000	0.66
Wisconsin	1,500,000	1.97
Wyoming	100,000	0.13
Total	76,000,000	100.00

Table 13—Continued.

Rank.	Companies.	Location.	Tons.
36	Clark Coal & Coke Co., A	Peoria	146,620
37	Peabody Coal Co., No. 2	Marion	146,489
38	Springfield Coal Mining Co. No. 1	Riverton	143,873
39	Acme Coal Co.	Streator	143,342
40	Oglesby Coal Co., Oglesby	Oglesby	143,243
41	Whitebreast Fuel Co. of Illinois, F	Dunfermline	141,864
42	Missouri & Illinois Coal Co., No. 4	Willisville	141,596
43	Suburban Coal Mining Co.	Belleville	141,241
44	Chicago-Herrin Coal Co.	Herrin	139,636
45	Coal Valley Mining Co., No. 2	Sherrard	138,768
46	DeCamp Coal Mining Co.	Staunton	138,697
47	Empire Coal Co., No. 3	Gilchrist	138,290
48	Spring Valley Coal Co., No. 3	Spring Valley	138,173
49	St. Paul Coal Co., No. 1	Granville	135,004
50	White Walnut Coal Co., White Walnut	Pinckneyville	133,196
51	LaSalle County Carbon Coal Co., LaSalle	LaSalle	133,165
52	Tuxhorn Coal Mining Co., No. 3	Keys	132,556
53	Braceville Coal Co., No. 5	Braceville	132,318
54	Springfield Coal Mining Co., No. 3	Starnes	131,307
55	Chicago-Springfield Coal Co.	Springfield	130,668
56	Illinois Collieries Coal Co., No. 6	Sorento	129,227
57	Johnson City & Big Muddy Coal & Mining Co., No. 1	Johnson City	128,022
58	Southern Coal Co., No. 9	St. Louis	126,436
59	Norris Coal Mining Co., N. M.	Norris	125,000
60	LaSalle County Carbon Coal Co., Rockwell	LaSalle	122,997
61	Odin Coal Co., No. 1	Odin	121,658
62	Big Muddy Coal & Iron Co., Harrison	Murphysboro	120,313
63	Prairie Coal Co.	Belleville	120,000
64	Penwell Coal Co.	Pana	119,728
65	Green Ridge Coal Co., No. 1	Green Ridge	119,559
66	Matthiesson & Hegeler Zinc Co.	LaSalle	116,750
67	Moffat Coal Co., No. 1	Sparta	116,687
68	West End Coal Co., West Shaft	Springfield	116,677
69	Auburn & Alton Coal Co.	Auburn	116,640
70	Jos. Taylor Coal Co.	O'Fallon	115,221
71	Williamson Coke & Coal Co., No. 1	Johnson City	115,053
72	McLean County Coal Co., No. 1	Bloomington	115,000

Table 13—Concluded.

Rank.	Companies.	Location.	Tons.
73	Citizens' Coal Mining Co., A	Springfield	114,886
74	Sangamon Coal Co., No. 2.....	do.....	114,767
75	Kelly Coal Co., Himrod	Danville	114,111
76	Citizens' Coal Mining Co., No. 1.....	Lincoln	112,857
77	Consolidated Coal Co., Breese	Breese	111,040
78	Chicago & Marion Coal Co., White Ash.....	Marion.....	110,649
79	International Coal & Mining Co., Carbon.....	O'Fallon	108,883
80	Pana Coal Co., No. 1	Pana	108,751
81	Consolidated Coal Co., No. 7.....	Staunton	107,602
82	Big Four Wilmington Coal Co., No. 3.....	Carbon Hill	107,559
83	Standard Wash Coal Co., No. 2.....	Bissell	107,369
84	Greenview Coal Mining Co., No. 1.....	Greenview	107,131
85	Jos. Taylor Coal Co., St. Ellien	O'Fallon	106,182
86	Wenona Coal Co., No. 1	Wenona.....	105,735
87	Duquoin Operating Co., Davis.....	Duquoin	104,489
88	Willis Coal Mining Co., No. 6.....	Percy	104,297
89	Chicago, Wilmington & Vermilion Coal Co., No. 2.....	LaSalle	103,186
90	Deering Coal Co., No. 11	West Frankfort	102,419
91	Big Four Wilmington Coal Co., No. 6.....	Carbon Hill	102,411
92	Athens Mining Co., No. 2	Athens	102,091
93	Edwardsville Coal Co	Edwardsville	101,953
94	Southern Coal & Mining Co.....	Belleville	101,907
95	Big Four Wilmington Coal Co., No. 5.....	Carbon Hill	101,861
96	Williamsville Coal Co.....	Selbytown	100,733
97	Marquette Coal Co., No. 1.....	Marquette	100,212
	Total tons		13,462,256

In this list 97 individual mines are represented with a total output of 13,462,256 tons; this is an increase over last year, in this class of collieries, of nine mines and 1,304,166 tons.

Table 14 following gives the list of the collieries whose output for the year was 200,000 tons and more. In addition to the preceding table, this table gives the number of days each mine was in operation, the depth of the coal below the surface, the thickness of the seam and the method of mining the coal:

TABLE 14—*Mines from which more than 200,000 Tons of Coal have been delivered during the Year 1906.*

Rank.	Companies.	Location.	Days in operation.	Depth of mine.	Thickness of seam.	How worked.	Tons.
1	Superior Coal Co., No. 1.....	Gillespie.....	223	348	8	M.	480,259
2	Superior Coal Co., No. 2.....	do.....	222	324	8	M.	457,853
3	Pittenger & Davis M. & M. Co., Nos. 3-4.....	Centrallia.....	221	635	6	H.	400,465
4	Big Muddy Coal & Iron Co., No. 7.....	Herrin.....	240	140	9	H.	363,573
5	St. Louis & O'Fallon Coal Co., No. 1.....	East St. Louis..	218	100	6	H.	355,463
6	Mt. Olive & Staunton Coal Co., No. 2.....	Staunton.....	209	300	7	M.	349,455
7	Donk Bros. Coal & Coke Co., No. 1.....	Donkville.....	184	135	7	H.	343,184
8	Mt. Olive-Staunton Coal Co., No. 1.....	Staunton.....	206	292	7	M.	324,232
9	Chicago-Carterville Coal Co., A.....	Herrin.....	214	180	9	H-M.	312,482
10	Dering Coal Co., No. 1.....	Westville.....	225	210	7	H.	304,178
11	Dering Coal Co., No. 2.....	do.....	226	215	6	H.	301,810
12	Devlin Coal Co., No. 1.....	Toluca.....	218	512	2.9	H.	290,832
13	Sunnyside Coal Co., No. 1.....	Herrin.....	194	145	9	H-M.	289,874
14	Donk Bros. Coal & Coke Co., No. 2.....	Maryville.....	200	245	7	M.	284,225
15	Madison Coal Co., No. 8.....	Dewmaine.....	220	90	9	H.	281,278
16	Willis Coal Mining Co., No. 1.....	Willisville.....	289	80	6	H-M.	272,755
17	Spring Valley Coal Co., No. 1.....	Spring Valley..	200	360	3.6	H.	271,909
18	Peabody Coal Co., No. 3.....	Marion.....	174	102	9	H-M.	258,398
19	Kelly Coal Co., No. 4.....	Danville.....	240	90	7	M.	254,345
20	St. Louis & O'Fallon Coal Co., No. 2.....	East St. Louis..	280	137	6	M.	251,515
21	Donk Bros. Coal & Coke Co., No. 3.....	Troy.....	210	280	5	H.	249,529
22	Latham Coal Co., Latham.....	Lincoln.....	200	240	5	H.	247,885
23	Consolidated Coal Co., No. 15.....	Mt. Olive.....	223	362	8	M.	244,759
24	Chicago, Wilm. & Ver. Coal Co., No. 1..	Thayer.....	135	292	7.4	M.	244,009
25	Spring Valley Coal Co., No. 2.....	Spring Valley..	191	365	3.6	H.	241,839
26	Madison Coal Co., No. 6.....	Divernon.....	123	318	8	M.	241,150
27	Illinois Third Vein Coal Co., No. 1.....	Ladd.....	228	460	3.6	H.	239,830
28	Zeigler Coal Co., No. 1.....	Zeigler.....	275	417	12	M.	238,654
29	Spring Valley Coal Co., No. 4.....	Spring Valley..	216	400	3.6	H.	237,296
30	Springfield Coal Mining Co., No. 2.....	Riverton.....	*	260	5.9	H.	236,157

Table 14—Concluded.

Rank.	Companies.	Location.	Days in operation.	Depth of mine.	Thickness of seam.	How worked.	Tons.
31	Burnwell Coal Co., No. 1	Witt	220	500	8	H.	235,952
32	Illinois Collieries Co., No. 1.	Virden	143	320	7.6	M.	234,922
33	Big Creek Coal Co., No. 2	St. David	251	45	5	H.	234,596
34	Royal Colliery Co., No. 1	Virden	223	350	6.6	H.	231,177
35	Western Coal Mining Co., No. 1.....	Bush	231	185	9	H.	228,461
36	Breese-Trenton Mining Co., No. 1	Breese	200	400	6	M.	219,949
37	Lumaghi Coal Co., No. 2	Collinsville	176	170	7	M.	218,414
38	Spring Valley Coal Co., No. 5	Spring Valley ..	215	420	3.6	H.	218,201
39	Illinois Collieries Co., No. 5.....	Girard	180	360	7	H.	213,590
40	Consolidated Coal Co., No. 17	Collinsville	204	165	6	M.	212,626
41	Majestic Coal & Coke Co., Majestic ..	Duquoin	250	400	9	H.	211,746
42	Illinois Midland Coal Co., Victor Mine..	Pawnee	177	325	7.6	H.	210,904
43	Cardiff Coal Co., No. 14	Cardiff	180	255	3.6	H.	207,874
44	Consolidated Coal Co., No. 14	Staunton	184	325	7	M.	206,848
45	Madison Coal Corporation, No. 4	Glen Carbon	180	130	7	M.	204,931
46	Madison Coal Corporation, No. 2 .....	..do.....	181	287	6.6	H.	203,188
47	Maplewood Coal Co., No. 1	Farmington	221	85	4.4	H.	202,458
Total tons							12,565,030

* Days of operation not given.

This list of collieries number 47 for the year, with an aggregate output of 12,565,030 tons; this record shows a decrease from that of last year of five mines and 1,616,762 tons.

The average number of days of 46 of these mines (one not reporting) was 209, which, applied to the output, gives an average daily output of 1,282 tons to each mine.

COLLIERIES WITH LARGE OUTPUT.

Notably in this connection is the achievement of several of these large colliery plants of the State during the past year; at the head of this list appears the Superior Coal Company with two mines, Nos. 1 and 2; these mines are located at Gillespie, Macoupin county; both are classed as machine mines, and were operated: No. 1, 223 days, and No. 2, 222 days. The seam of coal is eight feet thick, and lies, No. 1, 348 feet below the surface; No. 2, 324 feet; assuming these conditions to be equal with both mines working 222.5 days, it is shown that the combined output of both mines was for the past year 938,112 tons, being an average of 4,216 tons for each day, or 2,154 tons at No. 1 mine for each of the 223 days and 2,062 tons at No. 2 mine for each of the 222 days.

The Pittenger & Davis mines, Nos. 3 and 4, located at Centralia, Marion county, also report an output of over 400,000 tons, and, all conditions considered, reveals a record for a daily action perhaps equal to that of the mines already mentioned. The Pittenger & Davis mines are 635 feet below the surface, to a seam of coal six feet thick; the production for the year was 400,465 tons, the mines being in operation 221 days; this gives an output of 1,812 tons for each day the mines were in operation.

Another large colliery plant of the State, differing in conditions from either of the other plants, especially in the thickness of the seam and the manner of mining the coal; this is the No. 1 mine of the Spring Valley Coal Company, located at Spring Valley, Bureau county. This mine is 360 feet beneath the surface to a coal seam of 3 feet 6 inches in thickness and is a long-wall mine, the coal being mined exclusively by hand. The output for the past year was 271,909 tons, raised in 200 days, giving an average daily production of 1,360 tons of coal.

The following table presents the larger mines of the State, and are shown in three classes, giving the number of mines and the aggregate tonnage in each class for eleven years:

TABLE 15—*Mines Producing 50,000 Tons and Less than 100,000—100,000 Tons and Less than 200,000, and 200,000 Tons and more for 11 Years.*

YEAR.	MINES PRODUCING—					
	50,000 tons and less than 100,000.		100,000 tons and less than 200,000.		More than 200,000.	
	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.
1896.....	63	5,049,694	45	6,557,545	16	3,962,426
1897.....	75	5,693,193	41	5,778,374	17	4,514,507
1898.....	86	6,351,512	42	5,898,596	7	1,709,457
1899.....	78	5,618,924	56	7,443,023	25	6,556,851
1900.....	70	5,000,326	65	8,985,963	27	6,769,328
1901.....	79	5,795,953	58	8,008,897	33	8,370,224
1902.....	76	5,376,350	72	9,923,538	38	10,101,867
1903.....	75	5,445,195	87	12,397,437	45	12,728,406
1904.....	72	5,200,551	98	12,753,975	46	13,460,272
1905.....	83	5,868,102	88	12,158,090	52	14,181,792
1906.....	89	6,116,018	97	12,462,256	47	12,565,090

Referring to the class of mines producing 50,000 tons and less than 100,000, it will be seen that the number has increased from 63 in 1896 to 89 this year, or 41.27 per cent, while the output has increased 1,066,324 tons or 21.12 per cent.

The mines of the next larger class, during the same period, have increased 115.56 per cent and the tonnage 105.29 per cent. The number of mines producing more than 200,000 tons has decreased from last year

by five, and 1,616,762 tons in output; this is owing to the suspension of operation in April and May.

NUMBER OF MINES.

The following table presents for comparison the number of mines of all kinds, by districts, for the two years, 1905 and 1906, with the gain or loss. The number of mines shown in each district for 1905 are apportioned from the number in the counties for that year, now comprising the ten districts.

TABLE 16—*Gain and Loss in Number of Mines 1905-1906.*

DISTRICTS.	Total number of mines. 1905.	Number new mines opened 1906.	Total.	Number of mines abandoned 1906.	Total number of mines 1906.	YEAR 1906.	
						Gain.	Loss.
First.....	76	3	79	7	72	.....	4
Second.....	146	24	170	28	142	.....	4
Third.....	134	.....	134	5	129	.....	5
Fourth.....	142	62	204	29	175	33	.....
Fifth.....	73	6	79	13	66	.....	7
Sixth.....	82	6	88	5	83	1	.....
Seventh.....	89	6	95	24	71	.....	18
Eighth.....	113	15	128	7	121	8	.....
Ninth.....	62	5	67	5	62	.....	.....
Tenth.....	73	24	97	.....	97	24	.....
The State.....	990	151	1,141	123	1,018	66	38

Here is shown that 151 new mines were opened in the State during the past year; the counties of the fourth district furnished 62 or over 41 per cent of these new openings; however, 29 were abandoned, leaving a net gain of 33 for that district. The total number abandoned during the year was 123, leaving a net gain of 28 mines.

The record of the number of coal mines opened and closed for a series of 17 years is shown in the following table:

TABLE 17—*Total Number of Mines, the Number Opened and Closed; also the Gain and Loss for Seventeen Years.*

YEAR.	NUMBER OF MINES.					
	At beginning of year.	Opened.	Closed.	Gain.	Loss.	At close of year.
1890.....	854	178	94	82		936
1891.....	936	92	110		18	918
1892.....	918	59	138		79	889
1893.....	839	69	120		51	788
1894.....	788	156	108	48		836
1895.....	836	116	78	38		874
1896.....	874	142	115	27		901
1897.....	901	70	118		48	853
1898.....	853	120	92	28		881
1899.....	881	129	121	8		889
1900.....	889	147	116	31		920
1901.....	920	138	143		5	915
1902.....	915	111	111			915
1903.....	915	109	91	18		933
1904.....	933	109	110		1	932
1905.....	932	168	110	58		990
1906.....	990	151	123	28		1,018
Totals.....		2,062	1,898	366	202	

From this it will be seen that the coal industry of the State has stood for the expense of opening 2,062 coal mines during the past 17 years, or an average of 121 for each year; during the same years 1,898 mines have been closed or abandoned, showing an average of 112 for each year. With all of this opening and closing of mines it is found that the net gain in these years has only been 164 mines, being less than 10 for each year. The largest number opened in any one year was in 1890, last year supplied 168, the next largest number; the largest number closed during any one year was 143 in 1901, though in 1892 the number closed was 138, giving a net loss of 79 mines for that year.

SHIPPING MINES.

The shipping mines of the State have, for a number of years, been classed in these reports, separately and distinctly in all respects from mines supplying the local trade only.

The following table presents the record of the number of these mines from 1891 to the present time:

TABLE 18—*Shipping Mines—Number Opened and Closed; also the Gain and Loss for Sixteen Years.*

YEAR.	NUMBER OF MINES.					At close of year.
	At beginning of year.	Opened or renewed.	Closed or suspended.	Gain.	Loss.	
1891.....	308					308
1892.....	308		9		9	299
1893.....	299	2		2		301
1894.....	301	18		18		319
1895.....	319					319
1896.....	319	8		8		322
1897.....	322		12		12	310
1898.....	310	19		19		329
1899.....	329		8		8	321
1900.....	321	2		2		323
1901.....	323	8		8		331
1902.....	331	1		1		332
1903.....	332	21		21		353
1904.....	353	27		27		380
1905.....	380	17		17		397
1906.....	397	22		22		419
Totals.....		140	29	140	29	

With 308 of these mines operated in 1891, the number has increased in the 16 years to 419, being a gain of 111 or 36.39 per cent. New mines in this class were opened or renewed during eleven of the years shown, the largest gain in any one year was for 1904; three of the years show a loss, the largest number closed being in 1897.

the apportionment of the shipping mines to each of the ten districts, the State is now divided, is shown in the following table for the past ten years:

TABLE 19—*Number of Shipping Mines, by Districts, with Gain or Loss for Eleven Years.*

YEAR.	DISTRICTS.										Total.	Gain.	Loss.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.			
1898	31	19	37	31	23	39	25	65	41	19	330	.....	.....
1899	28	17	36	24	22	34	25	63	40	21	310	.....	20
1900	32	18	37	26	25	33	27	62	43	26	329	19	.....
1901	30	17	35	30	21	34	26	60	43	26	322	.....	7
1902	35	16	38	29	19	36	24	61	39	26	323	1	.....
1903	32	22	33	29	18	38	25	66	39	29	331	8	.....
1904	28	21	32	28	21	39	25	69	39	30	332	1	.....
1905	28	20	31	26	28	40	27	71	45	37	353	21	.....
1906	35	23	31	32	27	43	32	72	44	41	380	27	.....
1907	35	23	31	30	27	46	32	78	51	44	397	17	.....
1908	34	22	29	33	26	49	36	78	52	60	419	22	.....
1909	3	3	.....	2	3	10	11	13	11	41	97	116	27
1910	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	8	.....	.....
Gain	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	89	.....	.....

This distribution by districts has been derived from the number of mines reported for each year and embraced in the several counties which now comprise the ten different districts. The total gain for the eleven years considered was 97 mines; all of the districts show a gain, except the third, which shows a loss of eight, leaving 89 as a net gain. Nearly one-half of this gain in the number of mines appears in the eighth district, which shows a gradual increase from year to year, for the seven years, and for the last four years a gain of 50 per cent. The counties credited with this large increase of this class of mines are Clinton, Jackson, Saline and Williamson. The exhibit, considered by the Commission, shows an increase in numbers, each year, excepting for 1897 and 1904, the largest increase in any one year was in 1904.

A comparative table is presented of the shipping mines only, showing the relative importance of each county and of each district as to mines, men and tons, for the years 1905 and 1906:

TABLE 20—*Shipping Mines—Number of Mines, Men and Tons by Counties and Districts, with the Gain or Loss, for the years 1905 and 1906.*

DISTRICTS AND COUNTIES.	1905.			1906.			GAIN (+) OR LOSS (—) IN 1906.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
The State.....	397	55,743	35,956,543	419	58,851	37,122,811	+22	+3,108	+1,166,268
First.....	35	7,332	3,055,083	34	6,768	2,843,504	—1	—564	—211,579
Grundy.....	12	3,251	1,299,247	11	2,768	1,143,144	—1	—483	—156,103
Kankakee.....	1	23	700	1	68	28,419	.....	+45	+27,719
LaSalle.....	18	3,578	1,633,009	18	3,537	1,536,582	.....	—41	—96,427
Will.....	4	480	122,127	4	395	135,359	.....	—85	+13,232
Second.....	23	5,615	2,382,729	22	5,663	2,087,227	—1	+48	—295,502
Bureau.....	7	4,444	1,722,063	8	4,666	1,522,793	+1	+222	—199,270
Henry.....	3	171	83,618	3	175	92,412	.....	+4	+8,794
Knox.....	2	74	23,600	1	41	20,466	—1	—33	—3,334
Mercer.....	9	882	529,992	7	742	431,497	—2	—140	—98,495
Rock Island.....	2	44	23,256	3	39	20,059	+1	—5	—3,197
Third.....	31	3,175	1,643,656	29	3,057	1,675,654	—2	—118	+31,998
Livingston.....	4	384	197,199	4	390	239,065	.....	+6	+41,866
Marshall.....	3	1,061	503,776	3	1,016	427,475	.....	—45	—76,301
Peoria.....	19	1,136	768,278	17	971	723,695	—2	—165	—44,583
Putnam.....	1	216	42,964	1	279	135,004	.....	+63	—92,040
Stark.....	2	40	12,760	2	26	13,841	.....	—14	+1,081
Woodford.....	2	338	118,679	2	375	136,574	.....	+37	+17,895
Fourth.....	30	2,754	1,745,437	33	3,261	1,843,293	+3	+507	+97,856
Fulton.....	20	2,067	1,379,604	23	2,595	1,516,568	+3	+528	+136,964
Hancock.....	1	14	8,500	1	12	8,400	.....	—2	—100
McLean.....	3	330	175,010	3	346	152,500	.....	+16	—22,510
McDonough.....	2	71	12,175	2	73	23,133	.....	+2	+10,955
Tazewell.....	4	272	170,148	4	235	142,692	.....	—37	—27,456
Fifth.....	27	4,222	2,651,500	26	3,683	2,128,332	—1	—539	—533,168
Macon.....	5	372	196,628	5	466	266,833	.....	+	+70,255
Vermilion.....	22	3,850	2,464,872	21	3,217	1,861,449	—1	—	—603,423

Table 20—Concluded.

DISTRICTS AND COUNTIES.	1905.			1906.			GAIN (+) OR LOSS (—) IN 1906.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Sixth	46	7,227	5,166,904	49	7,646	5,097,776	+3	+419	-69,128
Logan	4	636	394,286	4	675	450,127	.....	+39	+65,839
Menard	9	776	435,793	9	757	520,394	.....	-19	+84,601
Sangamon	33	5,815	4,346,823	35	6,189	4,124,722	+2	+374	-222,101
Schuyler .....	.....	.....	.....	1	25	2,533	+1	+25	+2,533
Seventh	32	5,578	3,946,820	36	6,621	4,815,953	+4	+1,043	+969,133
Christian	7	1,323	857,890	8	1,497	826,500	+1	+174	-31,390
Macoupin	17	3,907	2,514,804	19	3,929	3,225,124	+2	+622	+710,320
Montgomery ..	6	747	468,196	7	934	648,186	+1	+187	+179,990
Shelby	2	201	106,928	2	261	116,141	.....	+60	+10,213
Eighth	78	7,828	6,401,287	78	8,334	7,189,786	.....	+506	+788,518
Bond	1	211	129,815	2	203	130,521	+1	-8	+706
Madison	19	3,678	2,935,749	18	3,822	2,968,186	-1	+144	+52,436
St. Clair	58	3,939	3,335,703	58	4,309	4,071,079	.....	+370	+735,376
Ninth	51	5,893	3,958,299	52	6,324	4,110,043	+1	+442	+151,744
Clinton	7	1,202	904,826	6	1,153	770,689	-1	-19	-134,137
Franklin	3	413	136,786	3	606	387,230	.....	+293	+250,442
Jefferson .....	.....	.....	.....	1	36	20,292	+1	+36	+20,292
Marion	7	1,371	1,086,350	6	1,399	826,280	-1	+18	-260,070
Perry	22	2,122	1,253,206	22	2,026	1,433,170	.....	-96	+179,962
Randolph	10	648	496,812	11	835	572,001	+1	+187	+73,189
Washington ...	2	126	78,315	2	148	93,796	.....	+22	+15,481
White .....	.....	.....	.....	1	11	6,585	+1	+11	+6,585
Tenth	44	6,130	4,994,848	60	7,494	5,331,244	+16	+1,364	+336,396
Gallatin	2	141	73,529	2	120	90,264	.....	-21	+16,735
Jackson	9	1,263	793,890	11	1,385	741,796	+2	+102	-52,094
Saline	5	396	319,295	15	964	506,080	+10	+568	+276,785
Williamson	28	4,310	3,808,134	32	5,005	3,908,104	+4	+695	+94,970

This is a distribution of the shipping mines of the several counties and districts, with the gain or loss of each in subject-matter presented; the gain or loss by districts is attributed to the redistricting of the State, heretofore referred to. The formation and division for the year 1905 is based on the record of the counties for that year as now comprising the ten districts, and will form a basis for similar comparison in future reports.

The coal companies or operators of the commercial collieries of the State have been presented for the past several years and are here presented for this year:

TABLE 21—*Shipping or Commercial Collieries—Distribution of Output—1906.*

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
1	Consolidated Coal Co.	16	.....	1,796,500	1,620,123	43,822	47,072	85,483
	do.	3	Mt. Olive.....	600,513	568,913	.....	4,191	27,409
	do.	3	Staunton.....	469,865	407,648	29,015	9,202	24,000
	do.	4	Collinsville...	432,249	334,346	13,462	9,020	15,421
	do.	1	Breese.....	111,040	108,711	.....	1,600	5,729
	do.	1	Carlinville.....	54,839	35,494	1,345	14,150	3,850
	do.	1	Fairmount.....	46,920	42,967	.....	2,100	1,853
	do.	1	Troy.....	32,161	28,551	.....	1,600	2,010
	do.	1	Gillespie.....	32,101	24,500	.....	4,100	3,501
	do.	1	Hornsby.....	16,812	13,998	.....	1,109	1,710
2	Madison Coal Co.	7	.....	1,243,992	1,129,409	27,040	7,801	79,742
	do.	2	Glen Carbon..	408,119	351,566	2,398	3,707	50,448
	do.	1	Dewmain.....	281,278	268,519	1,759	.....	11,000
	do.	1	Divernon.....	241,150	230,746	.....	3,242	7,162
	do.	1	Mt. Olive.....	184,407	155,164	20,749	664	7,830
	do.	1	Ogles.....	74,485	69,901	2,134	188	2,262
	do.	1	Cambria.....	54,558	53,513	.....	.....	1,040
3	Spring Valley Coal Co.	5	Spring Valley.	1,107,418	1,024,837	13,405	21,576	47,600
4	Springfield Coal M. Co.	6	.....	1,062,107	921,916	31,628	51,097	57,466
	do.	3	Springfield....	488,151	428,811	.....	29,044	30,296
	do.	2	Riverton.....	390,080	355,674	728	4,757	18,871
	do.	1	Taylorville....	193,926	187,431	30,900	17,296	8,299
5	Illinois Collieries Co.	8	.....	1,047,080	950,095	24,127	34,749	83,109
	do.	2	Viriden.....	278,379	238,419	16,675	11,850	11,435
	do.	1	Girard.....	213,590	204,655	.....	6,191	2,744
	do.	1	Springfield....	177,474	168,459	.....	1,456	7,559
	do.	1	Auburn.....	162,939	157,077	.....	1,307	4,555
	do.	1	Sorento.....	129,227	119,518	.....	3,220	6,499
	do.	1	Litchfield.....	73,626	53,438	7,452	9,198	3,538
	do.	1	Chatham.....	11,845	8,529	.....	1,527	1,789

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	DISTRIBUTION OF OUTPUT.				
				Total output, all grades.	Tons loaded on cars at the mine for shipm't	Supplied to loco-motives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
6	Superior Coal Co	3	Gillespie	1,004,646	959,862	.....	2,763	42,021
7	Donk Bros. C. & C. Co. .	3	.....	876,938	846,656	2,080	6,540	21,682
	..do.....	1	Donkville.....	943,184	332,859	2,080	761	7,504
	..do.....	1	Maryville	284,225	273,435	.....	1,683	9,107
	..do.....	1	Troy.....	249,529	240,362	.....	4,096	5,071
8	Big Muddy C. & I. Co. .	5	.....	821,298	758,593	142	3,615	58,948
	..do.....	1	Herrin	363,573	347,784	142	2,656	12,991
	..do.....	3	Murphysboro .	277,266	247,548	.....	.....	29,718
	..do.....	1	Clifford.....	180,459	163,261	.....	969	16,229
9	Chi. Wil. & Ver. C. Co.	5	.....	815,302	774,063	.....	12,783	28,426
	..do.....	2	So. Wilm'gton	382,000	364,440	.....	7,629	9,331
	..do.....	1	Thayer.....	244,000	234,724	.....	1,870	7,415
	..do.....	2	Streator	180,293	174,929	.....	3,284	11,080
10	Dering Coal Co.	5	.....	797,673	782,163	.....	2,530	12,980
	..do.....	4	Westville	666,254	656,674	.....	.....	9,580
	..do.....	1	W. Frankfort.	102,419	96,489	.....	2,530	3,400
11	Kelly Coal Co.	5	Danville	761,472	727,344	.....	13,445	20,663
12	Southern C. & M. Co. .	10	.....	734,740	671,556	19,211	11,017	32,966
	..do.....	8	Bellville.....	573,268	524,937	19,211	6,374	22,746
	..do.....	1	New Baden... ..	125,436	115,310	.....	1,966	8,180
	..do.....	1	Germantown..	36,036	31,309	.....	2,677	2,080
13	Mt. Olive	2	Staunton.....	673,687	655,581	5,306	2,747	10,043
14	St. L. & O'Fallon C. Co	2	E. St. Louis..	606,978	597,678	3,060	500	5,750
15	LaSalle Co. Car. C. Co.	4	LaSalle.	581,754	456,394	57,898	47,599	19,863
16	O'Gara Coal Co.	11	.....	535,182	494,650	18,487	9,354	12,691
	..do.....	10	Harrisburg... ..	442,496	407,125	18,487	7,843	9,041
	..do.....	1	Springfield... ..	92,686	87,525	.....	1,511	3,650
17	Peabody Coal Co.	2	Marion.....	404,887	384,694	.....	113,463	6,731
18	Pittenger & Davis.....	1	Centralia.....	400,465	261,819	93,907	20,826	23,913
19	Willis Coal M. Co.	2	.....	377,052	308,045	57,719	6,028	5,280
	..do.....	1	Willisville ...	272,755	207,136	57,719	4,200	3,700
	..do.....	1	Percey	104,297	100,909	.....	1,828	1,560
20	Ill. Midland C. Co.	2	.....	375,832	359,472	1,866	6,948	7,546
	..do.....	1	Pawnee	210,904	198,759	1,866	6,821	3,458
	..do.....	1	Sherman.....	164,928	160,713	.....	127	4,088

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	DISTRIBUTION OF OUTPUT.				
				Total output, all grades.	Tons loaded on cars at the mine for shipm't	Supplied to loco-motives at mine chutes	Sold to local trade.	Consumed and wasted at the mine.
21	Breese-Trenton M. Co.	3		370,861	309,570	40,130	5,911	15,250
	..do.....	2	Breese.....	305,021	251,555	40,130	4,586	8,750
	..do.....	1	Trenton.....	65,840	58,015		1,325	6,500
22	Maplewood C. Co.	2		361,020	352,898	745	1,991	5,396
23	Chi. & C't'ville C. Co.	1	Herrin.....	312,482	285,931	584	5,310	20,657
24	Jos. Taylor Coal Co.	3	O'Fallon.....	312,243	289,288	800	2,850	19,306
25	Big Four Wilm. C. Co.	3	Carbon Hill.....	311,831	292,571		5,500	13,760
26	Lumaghi C. Co.	2	Collinsville.....	308,150	299,466		1,695	6,989
27	Citizens Coal M. Co.	3		293,642	222,364	45,162	14,891	11,225
	..do.....	2	Springfield.....	180,785	153,545	19,895	3,437	3,908
	..do.....	1	Lincoln.....	112,857	68,819	25,267	11,454	7,317
28	Devlin Coal Co.	1	Toluca.....	290,832	243,737	29,040	5,560	12,496
29	Sunnyside C. Co.	1	Herrin.....	289,874	267,170		1,832	20,872
30	Cartersville C. Co.	3	Cartersville.....	263,113	247,164	5,200		10,749
31	Mo. & Ill. Coal Co.	4		260,777	254,686		850	5,241
	..do.....	1	Willisville.....	141,596	140,174		600	822
	..do.....	1	Rentchler.....	56,123	54,072		125	1,926
	..do.....	1	Wilderman.....	33,274	31,529		75	1,670
	..do.....	1	Freeburg.....	29,784	28,911		50	823
32	Latham Coal Co.	1	Lincoln.....	247,885	236,478		9,159	2,248
33	Big Creek Coal Co.	3		244,325	238,890	1,176		4,269
	..do.....	2	St. David.....	240,083	235,065	1,176		3,842
	..do.....	1	Cuba.....	4,242	3,815			427
34	Ill. 3rd Vein Coal Co.	1	Ladd.....	239,830	210,526	9,996	4,112	15,196
35	Zeigler Coal Co.	1	Zeigler.....	238,654	221,893	614	1,985	14,162
36	Burnwell Coal Co.	1	Witt.....	235,952	228,855		4,395	2,702
37	Royal Colliery Co.	1	Virden.....	231,177	226,590		1,808	2,779
38	Braceville Coal Co.	2	Braceville.....	229,206	215,480		2,800	10,926
39	Western Coal Min. Co.	1	Bush.....	228,461	214,567		8,000	5,894
40	Clark Coal Co.	2	Peoria.....	216,858	195,863	16,515		4,490
41	Majestic C. & C. Co.	1	Duquoin.....	211,746	207,646		100	4,000
42	Cardiff Coal Co.	1	Cardiff.....	207,874	199,374		3,716	4,784
43	Pana Coal Co.	2	Pana.....	206,881	170,693	15,102	7,510	13,576
44	Monmouth Coal Co.	1	Brereton.....	198,147	190,820		1,250	6,077

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
45	Whitebreast Fuel Co..	2	Dunfermline..	195,526	189,301	.....	259	5,966
46	Trenton Coal Co.....	1	Trenton.....	193,156	175,236	.....	7,510	10,410
47	Centralia M. & M. Co..	1	Centralia.....	192,639	101,412	47,252	30,127	13,848
48	Stand. Wash. Coal Co.	2	.....	187,448	181,422	.....	2,826	3,200
	..do.....	1	Bissell.....	107,369	104,968	.....	801	1,600
	..do.....	1	Spaulding.....	80,079	76,454	.....	2,025	1,600
49	New Staunton Coal Co.	1	Livingston....	185,490	174,436	46	4,169	6,839
50	Newsam Bros.....	4	.....	179,209	171,425	.....	3,198	4,596
	..do.....	3	Peoria.....	129,121	125,438	.....	597	3,096
	..do.....	1	Farmington...	50,068	45,987	.....	2,601	1,500
51	Wabash Coal Co.....	2	.....	178,783	168,397	.....	3,864	6,522
	..do.....	1	Athens.....	92,341	87,148	.....	1,598	3,600
	..do.....	1	Dawson.....	86,442	81,249	.....	2,271	2,922
52	Muddy Val. C. M. Co..	1	Hallidayboro..	177,911	111,726	40,738	2,661	22,796
53	Hillsboro Coal Co.....	1	Hillsboro.....	172,512	162,093	.....	7,076	3,343
54	Wilming'n Star M. Co.	3	Coal City.....	170,690	162,196	.....	2,451	6,043
55	Cartersville Dist. C. Co.	1	Marion.....	168,978	159,853	.....	.....	9,125
56	Capital Coal Co.....	1	Springfield....	166,206	83,956	15,930	47,592	18,728
57	Christian County C. Co.	1	Taylorville..	160,790	147,287	.....	7,077	6,426
58	Royal Coal Min. Co....	1	Belleville.....	158,572	158,572	.....	.....	.....
59	Chi. & B. M. Coal Co..	1	Marion.....	157,692	153,236	.....	159	4,297
60	Paradise C. & Coke Co.	1	Duquoin.....	155,092	147,992	5,600	300	1,200
61	Woodside Coal Co.....	1	Springfield....	151,544	102,263	33,847	11,560	3,874
62	Decatur Coal Co.....	3	Decatur.....	150,258	81,740	.....	68,518	.....
63	Superior Coal & M. Co.	1	Belleville.....	148,909	146,954	.....	.....	1,955
64	Star Coal Co.....	3	.....	144,964	140,891	.....	1,147	2,926
	..do.....	2	Kangley.....	123,892	120,470	.....	1,147	2,275
	..do.....	1	Cuba.....	21,072	20,421	.....	.....	651
65	Acme Coal Co.....	1	Streator.....	143,342	109,609	.....	10,485	23,248
66	Oglesby Coal Co.....	1	Oglesby.....	143,243	131,615	.....	4,052	7,576
67	Suburban C. & M. Co..	1	Belleville.....	141,241	139,261	.....	420	1,560
68	Gallatin C. & C. Co....	2	.....	140,090	71,909	34,231	26,686	7,264
	..do.....	1	Equality.....	81,294	60,956	3,973	12,643	3,722
	..do.....	1	Nashville.....	58,796	10,953	30,259	14,043	3,542
69	Chi. Herrin C. Co.....	1	Herrin.....	139,635	136,306	.....	2,554	773

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chute.	Sold to local trade.	Consumed and wasted at the mine.
70	Coal Valley M. Co.....	1	Sherrard.....	138,768	130,234	16	2,573	5,945
71	DeCamp Coal Co.....	1	Staunton.....	138,697	134,557	.....	.....	4,140
72	Empire Coal Co.....	1	Gilchrist.....	138,290	130,640	.....	2,744	4,906
73	St. Paul Coal Co.....	1	Granville.....	135,004	124,918	175	3,753	6,158
74	White Walnut C. Co..	1	Pinckneyville..	133,195	85,334	43,775	1,386	2,700
75	Tuxhorn Coal Co.....	1	Keyes.....	132,556	129,302	.....	1,585	1,669
76	Marquette 3rd. V. C.Co	2	.....	131,120	104,142	.....	19,990	7,088
	..do.....	1	Marquette.....	100,212	93,079	.....	843	6,290
	..do.....	1	Sparland.....	30,908	11,063	.....	19,037	808
77	Chl. & Spgr'd. C. Co..	1	Springfield....	130,668	124,909	.....	549	5,210
78	Kolb Coal Co.....	3	.....	130,527	93,177	18,000	4,000	15,350
	..do.....	1	Mascoutah....	88,000	52,400	18,000	4,000	13,600
	..do.....	1	New Athens....	33,309	32,309	.....	.....	1,000
	..do.....	1	Lenzburg.....	9,218	8,468	.....	.....	750
79	J. C. & B. M. C. & M.Co.	1	Johnson City..	128,022	124,422	.....	.....	3,600
80	Morris Coal M. Co....	1	Norris.....	125,000	110,000	12,400	1,000	1,600
81	Odin Coal Co.....	1	Odin.....	121,658	113,176	.....	2,784	5,698
82	Prairie Coal Co.....	1	Belleville.....	120,000	114,000	2,000	2,000	2,000
83	Penwell Coal Co.....	1	Pana.....	119,728	93,735	8,740	10,679	6,574
84	Green Ridge Coal Co..	1	Green Ridge....	119,559	114,852	.....	2,343	2,364
85	Borders Coal Co.....	2	Marissa.....	116,913	111,384	25	1,948	3,556
86	Math. & Heg. Zinc Co.	1	LaSalle.....	116,750	*	.....	.....	116,750
87	Moffat Coal Co.....	1	Sparta.....	116,687	115,685	.....	552	450
88	West End Coal Co....	1	Springfield....	116,677	68,885	11,242	31,270	5,280
89	Auburn & Alton C. Co.	1	Auburn.....	116,640	108,778	.....	4,942	2,920
90	Williamson Co. C. Co..	1	Johnson City..	115,053	112,005	.....	.....	3,048
91	McLean Co. Coal Co..	1	Bloomington..	115,000	16,000	23,500	52,500	23,000
92	Sangamon Coal Co....	1	Springfield....	114,767	108,910	.....	3,017	2,840
93	Johnson Coal Co.....	3	.....	111,306	104,036	.....	1,685	5,585
	..do.....	1	Marissa.....	60,575	59,022	.....	.....	1,553
	..do.....	1	Freeburg.....	31,701	31,194	.....	1,685	822
	..do.....	1	Belleville.....	17,030	13,820	.....	.....	3,210
94	Chl. & Marion C. Co..	1	Marion.....	110,649	108,459	.....	.....	2,190
95	Internatio'l C. & M. Co.	1	O'Fallon.....	108,883	108,403	.....	120	360

*No report of tons shipped.

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mine.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
96	Greenview C. M. Co....	1	Greenview	107, 131	93, 141	.....	5, 461	8, 529
97	Wenona C. Co.....	1	Wenona.	105, 735	92, 204	.....	8, 531	5, 000
98	Sandoval C. Co.....	2	Sandoval.	105, 032	100, 582	.....	1, 030	3, 420
99	Duquoin Operating Co.	1	Duquoin.	104, 489	99, 639	.....	2, 250	2, 600
100	Carterville M. Co.....	2	Carterville	102, 753	100, 013	.....	.....	2, 740
101	Athens Mining Co.	1	Athens.	102, 091	96, 448	.....	3, 061	2, 582
102	Edwardsville Coal Co.	1	Edwardsville .	101, 953	87, 067	44	7, 008	7, 834
103	Avery Coal Co.	4	.....	101, 641	90, 600	200	3, 405	7, 436
	do.	1	Freeburg.	44, 508	41, 083	.....	879	2, 546
	do.	2	Marissa.	43, 471	37, 385	200	2, 364	3, 522
	do.	1	Winkle.	13, 662	12, 132	.....	162	1, 368
104	Williamsville Coal Co.	1	Selbytown	100, 733	94, 370	.....	2, 827	3, 536
105	Cantrall Coöp. C. Co ..	1	Cantrall.	99, 388	78, 482	18, 280	1, 031	1, 595
106	Clover Leaf Coal Co. ...	1	Coffeen.	96, 291	91, 171	597	2, 723	1, 900
107	Alden Coal Co.	1	Gilchrist.	93, 506	88, 286	1, 486	74	3, 660
108	Barclay Coal & M. Co.	1	Barclay.	91, 242	84, 241	.....	1, 211	5, 790
109	Roanoke Coal & M. Co.	1	Roanoke.	90, 092	75, 954	3, 875	3, 960	6, 303
110	New Virginia Coal Co.	1	Johnson City.	90, 000	87, 000	.....	500	2, 500
111	Walschlag Coöp. C. C.	1	Peoria.	88, 208	87, 331	.....	.....	877
112	Inland Coal & M. Co ..	1	DeSoto.	88, 093	65, 808	.....	962	21, 323
113	Moweaqua C. M. Co ...	1	Moweaqua	88, 048	59, 806	13, 317	10, 376	4, 549
114	Wilm. C. M. & M'fg. Co	2	Diamond.	87, 067	80, 427	.....	2, 220	4, 420
115	Assumption Coal Co ..	1	Assumption. ...	85, 621	64, 665	.....	10, 093	10, 963
116	Black Diam'd Coal Co.	1	Auburn.	83, 864	81, 258	.....	1, 483	1, 123
117	Gartside Coal Co.	2	Murphysboro .	83, 594	64, 470	.....	3, 124	16, 000
118	Electric Coal Co.	1	Danville.	81, 292	79, 755	.....	157	1, 380
119	Fullerton Coal Co.	1	Belleville.	81, 000	78, 000	.....	1, 000	2, 000
120	Carterv. & B. M. C. Co	1	Cambria.	78, 813	76, 593	.....	323	1, 897
121	Hibbard Coal Co.	2	Belleville.	78, 336	60, 956	12, 480	700	4, 200
122	Kewanee Coal M. Co. ...	1	Kewanee.	77, 535	68, 680	.....	5, 855	3, 000
123	Hofer Washed Coal Co	2	Carterville	76, 904	72, 914	.....	90	3, 900
124	St. Paul Coal Co.	1	Cherry.	75, 333	72, 075	.....	1, 162	2, 096
125	Springfield Coöp. C.Co.	1	Springfield ...	75, 800	51, 000	.....	20, 100	4, 700
126	Lincoln Mining Co.	1	Lincoln.	75, 100	53, 818	.....	16, 000	5, 282
127	M'fg. & Cons. Coal Co.	1	Decatur.	74, 308	18, 493	2, 421	47, 794	5, 660

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mine.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
128	Illinois Zinc Co.....	1	Peru	73, 220	71, 391		636	1, 193
129	Donaly & Konneck C.C.	1	Carterville	71, 361	69, 398		325	1, 638
130	Carterv.-Herrin C. C ..	1	Herrin	70, 504	68, 114		390	2, 000
131	Applegate & Lewis ...	1	Cuba	70, 276	55, 816	11, 607	149	2, 708
132	Middletown Coal Co. . .	1	Middletown ...	68, 210	62, 816		3, 294	2, 100
133	Crystal Coal Co.....	1	Tilden.....	67, 250	66, 000		250	1, 000
134	Robert Dick Coal Co ..	1	Cambrina	66, 430	64, 930		500	1, 000
135	Summit Coal & M. Co.	1	Belleville	65, 590	64, 490		100	1, 000
136	Sholl Bros	1	Peoria	65, 524	64, 396		56	1, 072
137	Bellev. & O'Fallon C.C.	1	Belleville	65, 250	63, 990			1, 260
138	Illinois Fuel Co	2	Sparta	64, 873	62, 623			2, 250
139	Valley Coal Co	1	Mascoutah	62, 899	59, 999			3, 000
140	Tazewell Coal Co.....	1	Pekin	61, 748	57, 442		3, 822	484
141	Watson Coal Co	1	Herrin	59, 700	58, 000	1, 000		700
142	James Cahill Estate...	1	Peru	56, 099	14, 379	22, 944	17, 026	1, 750
143	Marissa Coal Co.....	1	Marissa	54, 968	52, 968		900	1, 200
144	Gus Blair B. M. C. Co.	1	Murphysboro ..	54, 812	50, 312		1, 000	3, 500
145	Howarth & Taylor.....	1	Edwards	54, 546	49, 502		416	4, 628
146	Collier Coö. C. Co	1	Bartonville	53, 788	53, 000			788
147	Mrs. E. Hakes	1	Rutland	53, 753	29, 633	15, 318	3, 802	5, 000
148	Chicago Col. Co.....	1	Catlin	53, 637	49, 505		1, 053	3, 079
149	Coal Valley M. Co.....	1	Cuba	52, 016	48, 228	568		3, 220
150	Eagle Mining Co.....	1	Canton	51, 689	51, 039		240	420
151	Davenport Coal Co....	1	Harrisburg ...	51, 631	50, 369		152	1, 110
152	Hippard Coal Co.....	1	Duquoin	51, 040	49, 355		245	1, 440
153	Jones Bros	1	Marissa	50, 798	47, 117		1, 788	1, 893
154	Murphy-Keenan Co....	1	Braidwood	50, 550	44, 169		4, 881	1, 500
155	Chi. & Carbondale C. Co	1	DeSoto.....	50, 000	44, 000		1, 000	5, 000
156	Henrietta Coal Co.....	1	Edwardsville..	49, 536	39, 697		6, 530	3, 309
157	Duquoin Coal Co	1	Duquoin	49, 162	47, 812		150	1, 200
158	Kortkamp Coal Co	1	Hillsboro	48, 230	48, 230			
159	Eldorado Coal Co.....	1	Eldorado.....	47, 414	45, 098		2, 316	
160	East Cuba C. M. Co....	1	Cuba	46, 700	44, 700			2, 000
161	Minonk Coal Co.....	1	Minonk	46, 482	36, 218		8, 264	2, 000
162	Economy Coal Co	1	Danville	46, 472	13, 693	31, 262	728	789

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output—all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
163	Benton Coal Co.	1	Benton	46, 157	37, 889		5, 065	3, 203
164	Tilden Coal Co.	1	Tilden	45, 265	43, 320		695	1, 250
165	Phoenix Coal Co.	1	Peoria	44, 652	44, 652			
166	Glendale C. & M. Co. .	1	Belleville	44, 500	37, 443		3, 847	3, 210
167	Greenwood-Davis C. Co	1	Duquoin	44, 000	39, 880		1, 200	2, 920
168	E. S. Gray Coal Co. . .	1	Danville	44, 000	43, 200			800
169	Pittsburg M. Co.	1	Belleville	43, 675	31, 408		7, 083	5, 234
170	Tirre Coal Co.	1	Lenzburg	43, 439	43, 439			
171	Blue Mound Coal Co. .	1	Blue Mound. . .	42, 317	32, 212		6, 840	3, 265
172	Kems-Donnewald C. Co	1	Worden	41, 862	37, 840		2, 750	1, 262
173	Bailey Bros.	1	Sunfield	41, 547	39, 741		1, 000	806
174	Boyd Coal Co.	1	Sparta	40, 800	36, 700		3, 500	600
175	St. L. & Carterville C. Co	1	Herrin	40, 468	39, 769	239	52	408
176	Coulterville C. Co.	1	Coulterville. . .	39, 760	39, 142			618
177	Smith-Lohr Coal Co. .	1	Pana	38, 078	32, 498		2, 422	3, 158
178	Lake Superior C. Co. .	1	Belleville	37, 817	31, 677		5, 390	750
179	Little Muddy Coal Co.	1	Tamara	37, 802	34, 994		1, 872	936
180	Tallula Coal Co.	1	Tallula	37, 036	20, 806		15, 500	730
181	Petersburg Coal Co. . .	1	Petersburg	36, 896	32, 886		2, 610	1, 400
182	Enterprise Coal Co. . .	1	Rentchler	36, 827	36, 330		100	397
183	Highland Coal Co.	1	Belleville	36, 610	20, 579	1, 063	7, 832	7, 136
184	Galatia Coal Co.	1	Galatia	36, 159	31, 359		4, 000	800
185	Vicary Bros.	1	Peoria	35, 840	33, 640		2, 000	200
186	Coulterville M. Co.	1	Coulterville. . .	35, 405	32, 030		2, 505	870
187	Johnson City & C. C. Co	1	Johnson City. .	35, 146	32, 391		200	2, 555
188	Adam Kuhn	1	Dubois	35, 000	32, 000		1, 500	1, 500
189	Oakwood Coal Co.	1	Oakwood	34, 657	27, 500		6, 539	618
190	Cora Coal Co.	1	Andrews	33, 262	30, 656		806	2, 000
191	Jones & Adams Coal Co	1	Springfield. . .	33, 225	30, 021		611	2, 593
192	Howe Coal Co.	1	Streator	33, 155	19, 480		13, 370	305
193	Silver Creek Coal Co. .	1	O'Fallon	32, 310	29, 310	512	1, 488	1, 000
194	Joliet-Wilmington C. Co	1	Braidwood. . .	32, 232	30, 172		1, 400	660
195	Eden Coal Co.	1	Sparta	31, 243	30, 583		260	400
196	Astoria-Wood'd C. Co	1	Astoria	30, 913	29, 181		346	1, 336
197	South Mountain C. Co.	1	Petersburg	30, 846	21, 460	2, 822	5, 469	1, 095

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output—all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
198	Canton Coal Co.....	1	Canton	29,918	29,918	.....	.....	.....
199	Springfield Coal Co ...	1	Springfield.....	29,891	27,731	.....	.....	2,160
200	Interstate Coal Co	1	Worden	29,710	27,485	.....	.....	2,225
201	Mauck Bros	1	Danville	29,000	15,000	.....	13,500	500
202	People's Coal M. Co...	1	Tice	28,553	27,675	.....	254	624
203	Herman Phul.....	1	Richland	28,502	27,684	.....	218	600
204	White & Nesbit	1	Belleville.....	28,500	20,700	.....	7,200	600
205	Wm. Barnard	1	Cutler	28,428	21,478	4,727	1,123	1,100
206	Consolidated C. & I. Co	1	Clark City	28,419	25,343	.....	1,076	2,000
207	Century Coal Co.....	1	Tower Hill.....	28,093	22,747	.....	2,990	2,356
208	Duquoin Coal Co	1	Duquoin	27,179	25,979	.....	.....	1,200
209	Jones Bros. Coal. M. Co	1	Marissa	26,421	26,091	.....	.....	330
210	Colfax Collp. Co	1	Colfax	26,287	11,343	6,930	4,989	3,075
211	Humboldt C. Co	1	Belleville	25,900	25,400	.....	.....	500
212	Salt-fork Coal Co	1	Oakwood.....	25,500	25,000	.....	.....	500
213	Fred Murphy.....	1	Belleville	25,000	24,500	.....	.....	500
214	Diamond Fuel Co.....	1	Sunfield	24,730	23,080	.....	750	900
215	Bunting Bros.....	1	Grape Creek..	24,590	23,376	.....	734	480
216	Farmington Coal Co ..	1	Farmington ..	23,584	21,052	.....	1,510	1,022
217	Imperial C. M. Co	1	Duquoin	22,770	22,696	.....	74	.....
218	Erie Star C. Co.....	1	Peoria	22,192	10,133	.....	11,559	500
219	International C. M. Co.	1	O'Fallon	22,104	18,829	.....	2,275	1,000
220	Stonington C. Co.....	1	Stonington ...	21,476	15,611	.....	2,733	3,132
221	Canton Union C. Co...	1	Canton	21,105	15,000	.....	5,500	605
222	Etherly Coal Co	1	Etherley	20,466	19,566	600	300	.....
223	Jefferson Co. Coal Co..	1	Mt. Vernon ...	20,292	2,066	9,969	7,046	1,191
224	F. M. Meek C. Co.....	1	Marissa	20,272	19,969	.....	68	235
225	Dutch Hill Coal Co....	1	New Athens...	20,100	13,000	.....	6,000	1,100
226	W. E. Foley	1	Mapleton.....	19,764	19,764	.....	.....	.....
227	Prairie State Coal Co.	1	Nilwood.....	19,236	18,000	.....	1,236	.....
228	Spoon River Coal Co..	1	Ellisville.....	18,357	16,555	1,176	100	526
229	Brilliant C. & C. Co...	1	Duquoin.....	18,280	17,520	.....	60	700
230	Shoal Creek Coal Co...	1	Panama.....	18,077	15,833	.....	264	1,980
231	Isaac Wantling & Son.	1	Peoria.....	18,000	17,500	.....	.....	500
232	Manchester Coal Co...	1	Petersburg....	17,290	15,690	.....	500	1,100

Table 21—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipment	Supplied to locomotives at mine chute.	Sold to local trade.	Consumed and wasted at the mine.
233	Jupiter Coal Co.....	2	Duquoin.....	16,962	13,037		1,579	2,346
234	Perry County Coal Co.	1	do.....	16,920	16,200		220	500
235	Spring Creek Coal Co.	1	Springfield....	16,749	16,233		209	307
236	West End Coal Co.....	1	Fairbury.....	15,335	6,952	7,393	405	585
237	Rixon Coal Co.....	1	Braceville.....	14,927	12,950		936	1,041
238	Home Coal Co.....	1	Mt. Pulaski...	14,285	4,263		8,702	1,320
239	Rippetoe & Rindle....	1	Colchester.....	14,114	14,114			
240	Grant Bros.....	1	Pekin.....	14,100	1,960		9,320	2,820
241	Volunteer Coal Co.....	1	Coal City.....	14,043	13,793			250
242	Phoenix C. & M. Co....	1	Cornell.....	13,736	12,000		1,236	500
243	Third Vein Coal Co....	1	Mapleton.....	12,945	11,850		795	300
244	Monarch C. & M. Co....	1	Farmington...	12,298	9,724		1,363	1,211
245	New Moon Mining Co.	1	Duquoin.....	11,485	7,841		2,644	1,000
246	German Coal Co.....	1	Mapleton.....	11,481	8,924	1,960	227	350
247	Harrisburg B. M. Coal Co. of Ill.....	1	Harrisburg....	11,245	11,245			
248	Easterly Coal & M. Co.	1	Chenoa.....	11,213	6,868		3,500	825
249	Atlas Coal Co.....	1	Galva.....	11,060	9,643		1,137	300
250	Muntz Bros.....	1	Streator.....	10,919	3,420		7,423	76
251	Strait Coal Co.....	1	Pinckneyville..	10,330	8,812		1,118	400
252	Vermillion Coal Co....	1	Georgetown...	9,815	9,000			815
253	J. A. Riley.....	1	Breeds.....	9,152	8,922	180	50	
254	A. Burney Coal Co....	1	Colchester.....	9,019	8,740			279
255	Brown Coal Co.....	1	Equality.....	8,970	8,350		300	320
256	Meredith Bros.....	1	Augusta.....	8,400	8,000		400	
257	Watson Coal Co.....	1	Herrin.....	8,000	7,700			300
258	John O'Connell.....	1	Danville.....	7,182	6,892			290
259	National Mining Co....	1	Eldorado.....	7,135	5,625		800	710
260	Wyoming Coal Co.....	1	Wyoming.....	7,070	4,470		2,400	200
261	North Wilm. Coal Co.	1	Seneca.....	6,966	3,847		2,746	393
262	Higbee & Watson.....	1	Wyoming.....	6,771	4,471		2,100	200
263	Norris City Coal Co....	1	Norris.....	6,585	720		5,385	480
264	Kinmundy Coal Co....	1	Kinmundy.....	6,486	5,568		648	270
265	Edwards Mining Co....	1	Peoria.....	6,240	6,160		80	
266	Rentz Bros.....	1	Kramm.....	6,120	6,120			
267	Peacock Coal Mine....	1	DeSota.....	6,000	3,500		2,000	500

Table 21—Concluded.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Postoffice address—location of mine.	Total output, all grades.	DISTRIBUTION OF OUTPUT.			
					Tons loaded on cars at the mine for shipm't	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at the mine.
268	Peter Grant.....	1	Peoria	5,260	5,260			
269	Docherty Bros.....	1	Preëmption ...	4,900	1,100		3,600	200
270	Galesburg U'n. Sup.Co	1	Parrville.....	4,388	4,388			
271	Beltz Coal Co.....	1	Carterville....	4,316	807	105	3,404	
272	Wm. Francis.....	1	Streator	4,176	1,760		2,416	
273	Schmidgall Coal Co...	1	Murphysboro ..	4,120	420		3,000	700
274	Briar Bluff Coal Co...	1	Briar Bluff....	3,797	3,797			
275	T. S. Silvis.....	1	Carbon Cliff...	3,516	1,156		2,160	200
276	Miller Coal Co.....	1	Raymond.....	3,500	1,500		1,400	600
277	Essex & Fritz	1	Parrville.....	3,000	3,000			
278	Mechanicsburg CoalCo	1	Mechanicsb'rg	2,719	1,319		500	900
279	Littleton Coal Co.....	1	Littleton.....	2,533	2,083			450
280	Arthur Jones.....	1	Virden	2,520	440		2,040	40
281	Alex. E. Link.....	1	Sunny Hill....	2,500	900		1,500	100
282	Marshall & Harr.....	1	Streator	2,120	2,120			
283	G. H. Haskins.....	1	Grape Creek...	1,658	560		1,098	
284	B. B. Peterson.....	1	Cable.....	1,497	900		557	40
285	Pocahontas Mining Co	1	Pocahontas....	1,294	1,144		150	
		419	.....	37,122,811	33,096,110	1,035,344	1,393,751	1,597,606

Here is shown a list of the 419 collieries of the State, all of which are known as shipping mines, giving the location and output of each mine, also the distribution of the product. These mines are owned or controlled by 285 corporations, firms or individuals.

The following classification shows the character of the ownership of this class of mines for the past three years:

YEAR.	Total number of mines.	Number of locations.	OPERATORS.			Totals.
			Corporations.	Firms.	Individuals.	
1904.....	390	175	228	20	25	273
1905.....	397	173	242	21	17	280
1906.....	419	178	248	21	16	285

This reveals that the number of corporations operating coal mines, has increased from 228 in 1904 to 248 this year, or 8.77 per cent. The total output of these mines for the year was 37,122,811 tons or 96.86 per cent of the tonnage of all the mines in the State. The reported disposition of this total product is, that 33,096,110 tons or 89.15 per cent, was loaded onto cars at the mines and shipped to the several markets of this and other States; 1,035,344 tons or 2.79 per cent was supplied to locomotives at the mines, 1,393,751 tons or 3.76 per cent was sold to the local trade, and 1,597,606 tons or 4.30 per cent was consumed or wasted at the mines.

A list of the 178 locations at which these 419 collieries are situated is here presented, arranged alphabetically, with the counties and districts:

TABLE 22—*List of the 178 Places and the Number of Shipping Mines at Each, also the Districts in Which Located—1906.*

Town or Postoffice.	County.	District.	Number of mines.
Andrews	Sangamon	6	1
Astoria	Fulton	4	1
Assumption	Christian	7	1
Athens	Menard	6	2
Auburn	Sangamon	6	3
Augusta	Hancock	4	1
Barclay	Sangamon	6	1
Bartonville	Peoria	3	1
Belleville	St. Clair	8	25
Benton	Franklin	9	1
Bissell	Sangamon	6	1
Bloomington	McLean	4	1
Blue Mound	Macon	5	1
Braceville	Grundy	1	3
Braidwood	Will	1	2
Breeds	Fulton	4	1
Breese	Clinton	9	3
Brereton	Fulton	4	1
Briar Bluff	Henry	2	1
Bush	Williamson	10	1
Cable	Mercer	2	2
Cambria	Williamson	10	3
Canton	Fulton	4	2
Cantrall	Sangamon	6	1
Carbon Hill	Grundy	1	3
Carbon Cliff	Rock Island	2	1

Table 22—Continued.

Town or Postoffice.	County.	District.	Number of mines.
Cardiff.....	Livingston.....	3	2
Carlinville.....	Macoupin.....	7	1
Carterville.....	Williamson.....	10	9
Catlin.....	Vermilion.....	5	1
Centralia.....	Marion.....	9	2
Chatham.....	Sangamon.....	6	1
Chenoa.....	McLean.....	4	1
Cherry.....	Bureau.....	2	1
Clifford.....	Williamson.....	10	1
Clark City.....	Kankakee.....	1	1
Coal City.....	Grundy.....	1	3
Coal Valley.....	Rock Island.....	2	1
Coffeen.....	Montgomery.....	7	1
Collinsville.....	Madison.....	8	6
Colfax.....	McLean.....	4	1
Colchester.....	McDonough.....	4	2
Cornell.....	Livingston.....	3	1
Coulterville.....	Randolph.....	9	2
Cuba.....	Fulton.....	4	4
Cutler.....	Perry.....	9	1
Danville.....	Vermilion.....	5	10
Dawson.....	Sangamon.....	6	1
Decatur.....	Macon.....	5	3
DeSoto.....	Jackson.....	10	4
Dewmaine.....	Williamson.....	10	1
Diamond.....	Grundy.....	1	2
Divernon.....	Sangamon.....	6	1
Donkville.....	Madison.....	8	1
DuBois.....	Washington.....	9	1
Duquoin.....	Perry.....	9	13
Dunfermline.....	Fulton.....	4	2
East St. Louis.....	St. Clair.....	8	2
Edwards.....	Peoria.....	3	1
Edwardsville.....	Madison.....	8	2
Equality.....	Gallatin.....	10	2
Eldorado.....	Saline.....	10	2
Ellisville.....	Fulton.....	4	1
Etherly.....	Knox.....	2	1

Table 22—Continued.

Town or Postoffice.	County.	District.	Number of mines.
Fairbury.....	Livingston.....	3	1
Fairmount.....	Vermilion.....	5	1
Farmington.....	Fulton.....	4	4
Freeburg.....	St. Clair.....	8	3
Galatia.....	Saline.....	10	1
Galva.....	Henry.....	2	1
Germantown.....	Clinton.....	9	1
Georgetown.....	Vermilion.....	5	1
Gilchrist.....	Mercer.....	2	2
Gillespie.....	Macoupin.....	7	4
Girard.....	Macoupin.....	7	1
Glen Carbon.....	Madison.....	8	2
Grape Creek.....	Vermilion.....	5	2
Granville.....	Putnam.....	3	1
Greenridge.....	Macoupin.....	7	1
Greenview.....	Menard.....	6	1
Hallidayboro.....	Jackson.....	10	1
Harrisburg.....	Saline.....	10	12
Herrin.....	Williamson.....	10	8
Hillsboro.....	Montgomery.....	7	2
Hornsby.....	Macoupin.....	7	1
Johnson City.....	Williamson.....	10	4
Kangley.....	La Salle.....	1	2
Kewanee.....	Henry.....	2	1
Keys.....	Sangamon.....	6	1
Kinmundy.....	Marion.....	9	1
Kramm.....	Peoria.....	3	1
Ladd.....	Bureau.....	2	1
LaSalle.....	La Salle.....	1	6
Lenzburg.....	St. Clair.....	8	2
Lincoln.....	Logan.....	6	3
Littleton.....	Schuyler.....	6	1
Litchfield.....	Montgomery.....	7	1
Livingston.....	Madison.....	8	1
Mapletown.....	Peoria.....	3	3
Marquette.....	Bureau.....	2	1
Marion.....	Williamson.....	10	5
Marrissa.....	St. Clair.....	8	9

Table 22—Continued.

Town or Postoffice.	County.	District.	Numb of min
Maryville	Madison	8	
Mascoutah	St. Clair	8	
Mechanicsburg	Sangamon	6	
Middletown	Menard	6	
Minonk	Woodford	3	
Mt. Olive	Macoupin	7	
Mt. Pulaski	Logan	6	
Mt. Vernon	Jefferson	9	
Mowequa	Shelby	7	
Murphysboro	Jackson	10	
Nashville	Washington	9	
New Athens	St. Clair	8	
New Baden	Clinton	9	
Nilwood	Macoupin	7	
Norris	Fulton	4	
Oakwood	Vermillion	5	
Odin	Marion	9	
O'Fallon	St. Clair	8	
Oglesby	La Salle	1	
Parrville	Fulton	4	
Pana	Christian	7	
Panama	Montgomery	7	
Pawnee	Sangamon	6	
Pekin	Tazewell	4	
Peoria	Peoria	3	
Pocahontas	Bond	8	
Percy	Randolph	9	
Peru	La Salle	1	
Petersburg	Menard	6	
Pinckneyville	Perry	9	
Preemption	Mercer	2	
Raymond	Montgomery	7	
Rentchler	St. Clair	8	
Richland	St. Clair	8	
Riverton	Sangamon	6	
Roanoke	Woodford	3	
Rutland	La Salle	1	
Sandoval	Marion	9	

Table 22—Concluded.

Town or Postoffice.	County.	District.	Number of mines.
St. David	Fulton	4	2
Selbytown	Sangamon	6	1
Seneca	La Salle	1	1
Sherman	Sangamon	6	1
Sherrard	Mercer	2	1
Sparland	Marshall	3	1
Sparta	Randolph	9	5
Spaulding	Sangamon	6	1
Springfield	Sangamon	6	16
Spring Valley	Bureau	2	5
Sorento	Bond	8	1
South Wilmington	Grundy	1	2
Staunton	Macoupin	7	7
Stonington	Christian	7	1
Streator	La Salle	1	7
Sunfield	Perry	9	2
Sunny Hill	Rock Island	2	1
Tallula	Menard	6	1
Tamaroa	Perry	9	1
Taylorville	Christian	7	2
Thayer	Sangamon	6	1
Tice	Menard	6	1
Tilden	Randolph	9	2
Toluca	Marshall	3	1
Tower Hill	Shelby	7	1
Trenton	Clinton	8	2
Troy	Madison	8	2
Viola	Mercer	2	1
Virden	Macoupin	7	3
Wenona	Marshall	3	1
West Frankfort	Franklin	9	1
Westville	Vermilion	5	4
Winkle	Perry	9	1
Witt	Montgomery	7	1
Wilderman	St. Clair	8	1
Willisville	Perry	9	2
Worden	Madison	8	2
Wyoming	Stark	3	2
Zeigler	Franklin	9	

GRADED OUTPUT.

For the past seven years returns of coal operators have been made of the tonnage of the mines divided into six different grades. The division for this year is shown in the following table, by districts:

TABLE 23—*Output of the Shipping and Local Mines of the State with Tons of the Different Grades of Coal by Districts—1906.*

DISTRICTS.	Total output tons.	TONS OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea or scree'gs.	Slack or waste.
First.....	2,843,504	271,570	1,582,086	272,527	90,338	566,503	60,480
Second.....	2,087,227	165,762	1,487,796	7,716	5,302	359,531	61,118
Third.....	1,675,654	428,920	870,967	38,970	49,656	241,788	45,353
Fourth.....	1,843,293	289,146	767,033	268,117	64,626	369,696	84,673
Fifth.....	2,128,332	1,516,259	373,024	45,356	59,796	129,095	4,802
Sixth.....	5,097,776	1,410,178	2,247,470	136,701	190,528	918,156	194,743
Seventh.....	4,915,953	875,391	2,587,111	74,771	234,861	935,476	108,343
Eighth.....	7,189,785	1,633,064	3,627,834	202,969	263,589	1,270,080	192,399
Ninth.....	4,110,043	1,368,010	1,377,735	257,407	279,115	694,265	133,511
Tenth.....	5,331,244	1,477,316	1,224,557	545,893	674,252	1,052,400	356,826
Shipping mines.....	37,122,811	9,435,616	16,145,615	1,850,327	1,912,063	6,536,942	1,242,248
Local mines.....	1,194,770	342,239	732,473	100	19,925	85,145	14,838
Totals.....	38,317,581	9,777,905	16,878,088	1,850,427	1,931,968	6,622,087	1,257,086

The output of the local mines is shown in the aggregate, the production being mainly in mine run and lump coal.

The division of the product of the shipping mines into the different grades shows lump coal to be largely in excess of either of the other grades; the same record has been uniform for all past years. In two of the districts, the fifth and tenth, the mine run grade exceeds that of the lump; in the fifth district the grade of mine run coal is 71.24 per cent of the total tonnage. This large percentage of mine run coal for that district is accounted for by the returns made by the operators of the shipping mines in Vermilion county; several of the mines in this county having the largest output report the entire product as mine run coal; for the shipping mines of the county, 77 per cent of the total output was returned as mine run coal.

The division of the different grades of coal is shown in percentages in the following table:

TABLE 24—*Percentages of Total Output of the Different Grades of Coal, Shipping and Local Mines, by Districts.*

DISTRICTS.	Per cent of total output.	PERCENTAGES OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea or scree'gs.	Slack or waste.
First.....	7.66	9.55	55.64	9.58	3.18	19.92	2.13
Second.....	5.62	7.94	71.28	.37	.25	17.23	2.93
Third.....	4.51	25.60	51.98	2.32	2.96	14.43	2.71
Fourth.....	4.97	15.69	41.61	14.54	3.51	20.06	4.59
Fifth.....	5.73	71.24	17.52	2.13	2.81	6.07	.23
Sixth.....	13.73	27.66	44.09	2.68	3.74	18.01	3.82
Seventh.....	12.97	18.18	53.72	1.55	4.88	19.42	2.25
Eighth.....	19.37	22.71	50.46	2.82	3.67	17.66	2.68
Ninth.....	11.07	33.29	33.52	6.26	6.79	16.89	3.25
Tenth.....	14.37	27.71	22.97	10.24	12.65	19.74	6.69
Shipping mines.....	100.00	25.42	43.49	4.98	5.15	17.61	3.35
Local mines.....	100.00	28.65	61.30	.01	1.67	7.13	1.24

Here is shown, by districts, the percentages of the total output of the mines of the State, also the same for each grade of coal, for the shipping and local mines. The second district shows much the largest per cent of lump coal, and the fifth district the smallest per cent, compared with the other districts.

The table following shows the total tonnage of the mines of the State for a series of seven years, with the division into the several different grades:

TABLE 25—*Total Output of the Different Grades of Coal, all Mines, for Seven Years with Percentages.*

YEAR.	Total output— tons.	TONS OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
1900.....	25,153,929	5,554,627	13,927,969	495,637	1,323,582	2,811,520	1,040,874
1901.....	26,635,319	6,982,740	13,321,124	496,596	1,217,127	3,667,591	1,060,141
1902.....	30,021,300	6,986,204	15,041,673	690,985	1,586,456	4,604,232	1,121,750
1903.....	34,955,400	10,373,098	15,874,509	995,163	1,775,704	4,540,431	1,416,496
1904.....	37,077,897	10,627,904	16,898,010	1,014,700	1,802,283	5,751,570	1,193,330
1905.....	37,183,374	9,248,558	16,819,321	1,716,219	2,096,152	6,247,511	1,115,613
1906.....	38,317,581	9,777,905	16,878,098	1,850,427	1,931,968	6,622,097	1,257,096
Percentages—							
1900.....		22.08	55.37	1.97	5.26	11.18	4.14
1901.....		25.84	50.01	1.83	4.57	13.77	3.96
1902.....		23.27	50.10	2.27	5.28	15.34	3.74
1903.....		29.70	45.41	2.84	5.02	12.98	4.05
1904.....		28.66	45.55	2.74	4.82	15.51	3.23
1905.....		24.87	45.23	4.62	5.48	16.80	3.00
1906.....		25.52	44.05	4.83	5.04	17.28	3.28

The percentages for this year show but slight variation from those of last year; mine run coal shows the largest percentages for the years 1903 and 1904; lump coal for the years 1900, 1901 and 1902.

MINES, MEN AND TONS.

The presentation of the number of coal producing counties of the State, with the mines, men and tons, has been repeated in these reports for a number of years and is shown again in the following table:

TABLE 26—*Output of the State for 25 Years and the Mines and Men Producing the Same.*

YEAR.	NUMBER OF—				TONS OF—		PERCENTAGE OF—	
	Counties.	Mines.	Men.	Tons.	Lump.	Other grades.	Lump.	Other grades.
1882.....	43	704	20,290	11,017,069	9,115,653	1,901,506	.....	.....
1883.....	47	639	28,039	12,123,456	10,030,991	2,092,465	.....	.....
1884.....	49	741	25,575	12,208,075	10,101,005	2,107,070	.....	.....
1885.....	50	778	25,946	11,834,459	9,791,874	2,402,585	.....	.....
1886.....	50	787	25,846	11,175,241	9,246,435	1,928,806	.....	.....
1887.....	49	801	26,804	12,423,066	10,278,890	2,144,176	.....	.....
1888.....	50	822	29,410	14,328,181	11,855,188	2,472,993	.....	.....
1889.....	49	854	30,076	14,017,298	11,597,963	2,419,335	.....	.....
1890.....	57	936	28,574	15,274,727	12,638,364	2,636,363	82.74	17.26
1891.....	57	918	32,951	15,660,698	12,960,224	2,700,474	82.76	17.24
1892.....	55	839	33,632	17,862,276	14,730,963	3,131,313	82.47	17.53
1893.....	56	788	35,390	19,949,564	16,112,899	3,836,665	80.77	19.23
1894.....	56	836	38,477	17,113,576	13,865,284	3,248,292	81.02	18.98
1895.....	54	874	38,630	17,735,864	14,045,962	3,689,902	79.25	20.75
1896.....	51	901	37,067	19,786,626	14,210,024	5,576,602	71.86	28.14
1897.....	50	853	33,788	20,072,758	14,672,241	5,400,517	73.10	26.90
1898.....	52	881	35,026	18,599,299	14,208,795	4,390,504	76.39	23.61
1899.....	52	889	36,991	23,434,445	17,427,598	6,006,847	74.37	25.63
1900.....	52	920	39,384	25,153,929	13,927,899	11,226,030	44.63	55.37
1901.....	53	915	44,143	26,635,319	13,321,124	13,314,195	50.01	49.99
1902.....	54	915	46,005	30,021,300	15,041,673	14,979,627	50.10	49.90
1903.....	53	933	49,814	34,955,400	15,874,509	19,080,891	45.41	54.59
1904.....	54	932	54,774	37,077,897	16,888,010	20,189,887	45.55	54.45
1905.....	56	990	59,230	37,183,374	16,819,321	20,364,053	45.23	54.77
1906.....	54	1,018	62,283	38,317,581	16,878,088	21,439,493	44.05	55.95

This reveals the advancement of the coal industry of the State for the first quarter of a century of its complete history.

The total tonnage has been divided and is shown in lump coal and other grades. For the years previous to 1890, only the tons of lump coal were reported, for each of these years the total tons have been ob-

tained by adding the percentages of other grades shown for 1890, consequently the percentages for the years 1882-1889 inclusive, are not supplied in this table.

The total tons of the mines thus found for 1882 has increased from 11,017,069 to 38,317,581 or 247.80 per cent; the lump tons from 9,115,653 to 16,878,088 or 85.16 per cent; other grades from 1,901,506 to 21,439,493 or 102.75 per cent. The percentage of lump coal shown for this year is less than for any former year, in consequence there is a corresponding increase in other grades.

In the following table is shown the total number of men and tons for 25 years with the percentages of gain or loss of each from year to year:

TABLE 27—*Total Number of Men and Total Tons Produced with Percentages of Gain or Loss for Twenty-five Years.*

YEAR.	Men.	Total output- tons.	PERCENTAGE OF MEN.		PERCENTAGE OF TONS.	
			Gain.	Loss.	Gain.	Loss.
1882.....	28,290	11,017,069				
1883.....	29,989	12,123,456	17.96		10.04	
1884.....	25,575	12,208,075	6.68		.70	
1885.....	25,946	11,894,459	1.35			3.06
1886.....	25,846	11,175,241		.39		5.57
1887.....	26,804	12,423,066	3.71		11.17	
1888.....	29,410	14,328,181	9.72		15.34	
1889.....	30,076	14,017,298	2.26			2.17
1890.....	28,574	15,274,727		4.99	8.97	
1891.....	32,951	15,660,698	15.32		3.53	
1892.....	33,632	17,863,276	2.07		14.06	
1893.....	35,390	19,949,564	5.23		11.69	
1894.....	38,447	17,113,576	8.72			14.22
1895.....	38,630	17,735,964	.40		3.64	
1896.....	37,057	19,786,626		4.07	11.56	
1897.....	33,798	20,072,758		8.82	1.45	
1898.....	35,026	18,599,299	3.66			7.34
1899.....	36,991	23,434,445	5.61		26.00	
1900.....	39,384	25,153,929	6.47		7.34	
1901.....	44,143	26,635,319	12.06		5.89	
1902.....	46,005	30,021,300	4.22		12.71	
1903.....	49,814	34,955,400	8.28		16.44	
1904.....	54,774	37,077,897	9.96		6.07	
1905.....	59,230	37,183,374	8.14		.28	
1906.....	62,283	38,317,581	5.15		3.05	

The number of men employed has increased 5.15 per cent; the gain

OUTPUTS BY

This year, in securing the usual information of each individual mine, put of their respective mines for each month of the fiscal year. The re-shipping mines, showing an output of 87,096,945 tons; the tonnage, pose here sought, their output amounting to only one-fourteenth of one. The following table presents the results by counties and districts:

TABLE 28—Total Output Mined in Each Calendar Month, by

COUNTIES AND DISTRICTS.	Total tons.	1905—OUTPUT FOR THE MONTHS OF—					
		July.	August.	September.	October.	November.	December.
Grundy	1, 143, 144	75, 478	97, 667	115, 486	123, 210	125, 296	126, 620
Kankakee	28, 419	.....	940	1, 289	2, 601	2, 670	1, 598
LaSalle	1, 536, 582	94, 649	137, 725	149, 146	168, 829	170, 041	168, 699
Will	135, 359	7, 468	13, 522	12, 765	15, 752	15, 764	17, 568
First District	2, 843, 504	177, 595	249, 854	278, 666	310, 392	313, 761	314, 485
Bureau	1, 522, 793	83, 938	147, 469	140, 206	153, 306	164, 140	191, 307
Henry	92, 412	5, 317	7, 021	7, 607	8, 787	8, 508	8, 610
Knox	20, 466	936	919	659	1, 364	1, 647	1, 855
Mercer	422, 580	26, 764	39, 824	39, 763	47, 760	43, 970	50, 587
Rock Island	14, 043	835	1, 054	1, 414	1, 341	1, 514	1, 176
Second District	2, 072, 294	117, 790	196, 287	189, 649	212, 560	224, 779	253, 535
Livingston	239, 065	16, 174	17, 228	22, 572	22, 446	26, 195	27, 042
Marshall	427, 475	18, 290	42, 223	48, 814	49, 893	44, 985	43, 917
Peoria	723, 695	26, 306	45, 682	61, 953	76, 392	85, 214	90, 411
Putnam	135, 004	7, 440	12, 402	12, 250	13, 546	13, 600	14, 097
Stark	13, 841	1, 490	489	904	1, 214	1, 100	1, 580
Woodford	136, 574	7, 486	11, 217	12, 754	11, 228	15, 487	14, 755
Third District	1, 675, 654	77, 186	129, 241	159, 247	174, 719	186, 581	191, 802
Fulton	1, 516, 568	68, 279	113, 900	132, 031	152, 526	180, 022	181, 746
McDonough	23, 133	329	564	1, 453	1, 661	1, 721	2, 544
McLean	152, 500	7, 982	10, 718	13, 352	16, 146	16, 462	18, 145
Tazewell	142, 692	6, 401	10, 734	13, 928	16, 381	18, 614	19, 014
Fourth District	1, 834, 893	82, 991	135, 916	160, 764	186, 714	216, 819	221, 449

in the total tons produced shows 3.05 per cent over last year.

MONTH.

the operators of shipping mines were requested to furnish the total output of this inquiry was that returns were received from 412 of the 419 however, of the seven mines not reporting is insignificant for the pur per cent of the total tonnage of the shipping mines.

Counties and Districts, from July 1, 1905, to June 30, 1906.

1906—OUTPUT FOR THE MONTHS OF—						COUNTIES AND DISTRICTS.
January.	February.	March.	April.	May.	June.	
136,799	127,696	150,197	.....	.....	65,715	Grundy
2,321	2,609	2,224	2,861	4,611	4,715	Kankakee
192,939	166,612	193,576	17,657	19,063	67,646	LaSalle
17,249	14,544	15,221	.....	.....	5,506	Will.
338,298	311,461	361,218	20,518	23,674	143,582	First District.....
169,047	173,836	219,996	.....	.....	79,547	Bureau.....
9,219	8,571	9,397	2,315	8,813	8,247	Henry.....
2,844	2,152	2,220	2,085	2,590	1,275	Knox.....
51,862	47,802	54,574	312	170	14,202	Mercer
1,553	1,135	1,709	.....	654	1,658	Rock Island.....
234,515	233,496	297,996	4,662	12,197	104,929	Second District.....
25,725	28,068	33,762	3,581	4,092	12,190	Livingston.....
49,442	45,612	52,421	.....	2,599	29,299	Marshall
92,177	97,698	103,583	7,616	19,812	36,851	Peoria
15,619	14,804	18,690	.....	.....	12,556	Putnam
1,270	1,094	1,497	1,073	1,312	818	Stark.....
14,129	15,557	19,370	1,559	4,916	8,116	Woodford.....
198,362	192,823	229,323	13,829	32,721	99,820	Third District
193,126	176,391	214,204	5,274	24,565	84,504	Fulton
2,634	2,542	3,506	1,817	2,375	1,987	McDonough.....
17,593	16,839	17,518	4,182	4,206	9,357	McLean
17,369	16,369	20,668	.....	.....	3,034	Tazewell
230,722	212,131	256,096	11,273	31,146	98,982	Fourth District.....

Table 22—Continued.

Town or Postoffice.	County.	District.	Number of mines.
Maryville	Madison	8	1
Mascoutah	St. Clair	8	2
Mechanicsburg	Sangamon	6	1
Middletown	Menard	6	1
Minonk	Woodford	3	1
Mt. Olive	Macoupin	7	4
Mt. Pulaski	Logan	6	1
Mt. Vernon	Jefferson	9	1
Mowequa	Shelby	7	1
Murphysboro	Jackson	10	7
Nashville	Washington	9	1
New Athens	St. Clair	8	2
New Baden	Clinton	9	1
Nilwood	Macoupin	7	1
Norris	Fulton	4	2
Oakwood	Vermilion	5	2
Odin	Marion	9	1
O'Fallon	St. Clair	8	6
Oglesby	La Salle	1	2
Parrville	Fulton	4	1
Pana	Christian	7	4
Panama	Montgomery	7	1
Pawnee	Sangamon	6	1
Pekin	Tazewell	4	2
Peoria	Peoria	3	13
Pocahontas	Bond	8	1
Percy	Randolph	9	1
Peru	La Salle	1	2
Petersburg	Menard	6	3
Pinckneyville	Perry	9	2
Preemption	Mercer	2	1
Raymond	Montgomery	7	1
Rentchler	St. Clair	8	2
Richland	St. Clair	8	1
Riverton	Sangamon	6	2
Roanoke	Woodford	3	1
Rutland	La Salle	1	1
Sandoval	Marion	9	2

Table 22—Concluded.

Town or Postoffice.	County.	District.	Number of mines.
St. David	Fulton	4	2
Selbytown	Sangamon	6	1
Seneca	La Salle	1	1
Sherman	Sangamon	6	1
Sherrard	Mercer	2	1
Sparland	Marshall	3	1
Sparta	Randolph	9	5
Spaulding	Sangamon	6	1
Springfield	Sangamon	6	16
Spring Valley	Bureau	2	5
Sorento	Bond	8	1
South Wilmington	Grundy	1	2
Staunton	Macoupin	7	7
Stonington	Christian	7	1
Streator	La Salle	1	7
Sunfield	Perry	9	2
Sunny Hill	Rock Island	2	1
Tallula	Menard	6	1
Tamaroa	Perry	9	1
Taylorville	Christian	7	2
Thayer	Sangamon	6	1
Tice	Menard	6	1
Tilden	Randolph	9	2
Toluca	Marshall	3	1
Tower Hill	Shelby	7	1
Trenton	Clinton	8	2
Troy	Madison	8	2
Viola	Mercer	2	1
Virden	Macoupin	7	3
Wenona	Marshall	3	1
West Frankfort	Franklin	9	1
Westville	Vermilion	5	4
Winkle	Perry	9	1
Witt	Montgomery	7	1
Wilderman	St. Clair	8	1
Willisville	Perry	9	2
Worden	Madison	8	2
Wyoming	Stark	3	2
Zeigler	Franklin	9	

This is the second presentation of the output of the coal mines of the State during each calendar month of the fiscal year; the first was for the year 1897; last year the output was shown by six months periods. The securing of these statistics and the compilation made in this form was two-fold in purpose; first to show the relative activity of the coal industry of the State during each month of the year; and, second, to disclose the possible capacity of these mines in producing coal. That such test was likely to occur during the year was anticipated from the fact that the two year's agreement between the miners and operators would expire April 19, 1906, and the forecast of both organizations was that perchance before a new agreement was reached an indefinite suspension of work was likely to occur at a large majority of the mines. The suspension of the operators at practically all of the mines, took place April first and continued during that month and the month of May. An agreement between the miners and operators was consummated June 1, 1906, for two years ending March 31, 1908.

It has been stated that the returns here compiled were furnished by the individual operator of each mine; these returns are on file in the office of the Bureau but are not published for want of space. Referring only to the counties in which the mines of the largest output are located, it will be seen that, almost without exception, the increase in tonnage began in the month of August, which tonnage in several counties was more than doubled in the succeeding month of March.

The totals by districts shown in the foregoing table have been reduced to percentages which are presented in the following table:

TABLE 29—Percentages of the Total Output Mined in Each Month, by Districts.

Districts.	Total output reported by months.	PERCENTAGE OF THE TOTAL OUTPUT MINED IN EACH DISTRICT DURING THE MONTHS OF—											
		July, 1905.	August.	September.	October.	November.	December.	January, 1906.	February.	March.	April.	May.	June.
First.....	2,843,504	6.25	8.79	9.80	10.92	11.03	11.06	11.90	10.95	12.70	.72	.83	5.05
Second.....	2,072,294	5.68	9.47	9.15	10.26	10.85	12.23	11.32	11.27	13.89	.23	.59	5.06
Third.....	1,675,654	4.60	7.71	9.50	10.43	11.13	11.45	11.24	11.51	13.69	.83	1.96	5.96
Fourth.....	1,834,893	4.52	7.41	8.76	10.18	11.81	12.07	12.03	11.56	13.96	.61	1.70	5.39
Fifth.....	2,128,332	4.66	7.10	8.07	9.83	11.09	11.23	11.50	12.58	14.66	.85	1.11	7.32
Sixth.....	5,095,243	4.34	6.55	8.14	9.61	11.06	12.44	12.19	12.65	15.02	.43	.70	5.87
Seventh.....	4,815,953	5.79	8.64	8.64	9.67	10.16	11.24	11.86	11.82	14.57	.21	.16	7.24
Eighth.....	7,189,785	5.13	7.28	8.24	9.46	10.14	10.74	10.41	11.12	13.82	2.40	3.93	7.33
Ninth.....	4,110,043	4.52	6.41	7.40	9.08	10.37	11.35	11.91	11.66	15.24	1.29	2.81	7.96
Tenth.....	5,331,244	5.30	8.27	8.05	8.93	9.27	10.23	11.85	11.75	14.89	1.24	1.77	8.45
The State.....	37,096,945	5.10	7.66	8.40	9.64	10.46	11.26	11.56	11.69	14.50	1.06	1.73	6.89

Here is shown in better form, for ready reference, the relative activity in the mining operations of the State for each month during the past year. These percentages reveal the beginning of the increased production and its gradual advancement in each district from July, 1905, to April 1, 1906. For the State the increase in production was from 5.10 per cent in July to 14.50 per cent in March.

During the discontinuance of operations, pending the scale settlement, the production was practically suspended; the output for April being only 1.06 per cent and May 1.78 per cent. The normal production or what may be considered such as shown for the month of August was only reached in June in the fields embraced in the fifth, eighth, ninth and tenth districts.

Collecting the percentages shown in Table 29 into five groups, the following is derived:

TABLE 30—*Percentages of Grouping of the Calendar Months.*

District.	PERCENTAGE OF OUTPUT DURING THE MONTHS OF—					
	July.	August, September, October, November.	December, January, February, March.	Eight months.	April, May.	June.
First.....	6.25	40.54	46.61	87.15	1.55	5.06
Second.....	5.68	39.73	48.71	88.44	0.82	5.06
Third.....	4.60	38.77	47.89	86.66	2.78	5.96
Fourth.....	4.52	38.16	49.62	87.88	2.31	5.39
Fifth.....	4.66	36.09	49.97	86.06	1.96	7.32
Sixth.....	4.34	35.36	53.30	88.66	1.13	5.87
Seventh.....	5.79	37.11	49.49	86.60	0.37	7.24
Eight.....	5.13	35.12	46.09	81.21	6.33	7.33
Ninth.....	4.52	33.26	50.16	83.42	4.10	7.96
Tenth.....	5.30	34.52	48.72	83.24	3.01	8.45
The State.....	5.10	36.16	49.01	85.17	2.84	6.89

These percentages are grouped mainly to show the volume of production of the shipping mines during the eight months, August to March inclusive, previous to April 1, 1906; also the inactivity of the same mines during the months of April and May. All of the districts show an increase of output during the four months of December-March, over the four preceding months. Combining the percentages for the eight months, it will be seen that the total output for the year in each district is represented in these months as being from 81.21 per cent in the eighth district to 88.66 per cent in the sixth district, while for the State 85.17 per cent of the total output was mined during the same period. The general suspension prevailing of the mining industry throughout the State during the months of April and May is reflected by the 2.84 per cent of the total output produced during these two months.

HAULAGE IN THE MINES.

The following table presents the record of haulage in the mines of the State, by districts:

TABLE 31—*Haulage of Coal in the Shipping Mines of the State by Districts—1906.*

DISTRICTS.	ELECTRICITY.		CABLE.		MULE OR HORSE.		HAND.		VARIOUS.	
	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.
First					29	2,377,662	1	4,176	4	*461,666
Second			3	329,074	14	1,735,656	5	22,497		
Third	3	491,998	6	356,217	18	813,598	2	13,841		
Fourth					24	1,298,546	3	31,533	6	*513,214
Fifth					19	864,285			7	*1,264,047
Sixth	7	1,072,396	3	343,304	38	3,606,976			1	*75,100
Seventh	10	1,322,958	2	327,927	22	2,681,309	1	3,500	1	†480,259
Eighth	6	1,185,549	1	54,968	71	5,949,268				
Ninth	1	238,654			40	1,938,348			11	*1,933,041
Tenth	7	1,790,939			49	3,105,975			4	*434,330
The State..	34	6,102,494	15	1,411,490	324	24,371,623	12	75,547	34	5,161,657
1905	19	3,602,777	10	1,077,707	316	24,315,544	14	84,186	36	6,876,329
1904	14	3,331,420	9	1,205,281	302	24,829,705	18	107,426	37	6,305,685
1903	14	3,306,285	21	2,537,895	297	25,411,371	10	60,823	11	2,358,163
1902	10	2,258,293	15	2,626,182	288	22,036,531	7	30,329	12	1,873,415
1901	12	2,082,377	21	2,740,616	545	321,068,518	340	743,808		
1900	7	1,331,579	27	2,424,978	512	20,410,169	374	987,570		

* Cable, electric, hand and mule.

† Compressed air.

‡ 677,495 tons hauled by electricity.

In addition to the record of hauling by districts the table shows, for the State, that of the six previous years, the most noticeable feature presented is the increase in electrical haulage; the tons moved by this power the past year was 6,102,494 or 97.14 per cent more than last year; the number of mines using this power increased from 19 last year to 34 this year, or 79 per cent. The use of mules for hauling cars in the mines has not diminished; they were employed in 77.33 per cent of the shipping mines and hauled 65.65 per cent of the coal.

The percentages of mines, and tons of the different systems of haulage in shipping mines are shown in the following table:

TABLE 32—*Percentages of Shipping Mines and Tons Showing the Haulage for Five Years.*

YEAR.	PERCENTAGES OF MINES USING AND TONS HAULED BY—									
	ELECTRICITY.		CABLE.		HORSE OR MULE.		HAND.		VARIOUS.	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
1902.....	3.02	7.83	4.52	9.11	86.75	76.45	2.10	.11	3.61	6.50
1903.....	3.97	9.82	5.92	7.54	84.13	75.46	2.83	.18	3.12	7.00
1904.....	3.68	9.31	2.37	3.37	79.47	76.40	4.74	.30	9.74	17.62
1905.....	4.79	10.02	2.52	3.00	79.60	67.62	3.52	.23	9.57	19.73
1906.....	8.11	16.44	3.58	3.80	77.33	65.65	2.86	.20	8.12	13.91
Increase..(+)	+78.95	+69.38	+50.00	+30.97	+2.53	+.24	-14.29	-11.45	-10.53	-24.93
Decrease..(-)										

The increase in the number of mines and the tons brought out both by electrical power and by cable, this year over last, is shown in the last line of the table.

OUTPUT BY COUNTIES.

The counties producing 500,000 tons and more are shown in the two following tables for a series of ten years:

TABLE 33—*Relative Rank of Counties Producing 500,000 Tons of Coal or Over for a Series of Five Years, 1902—1906.*

COUNTY.	Rank.	Tonnage 1906.	Rank.	Tonnage 1905.	Rank.	Tonnage 1904.	Rank.	Tonnage 1903.	Rank.	Tonnage 1902.
St. Clair	1	4,168,019	3	3,398,032	2	3,418,479	2	3,124,679	2	2,578,553
Sangamon	2	4,155,431	1	4,395,050	1	4,516,358	1	4,386,526	1	3,672,989
Williamson	3	3,927,189	2	3,815,751	4	3,038,466	4	2,551,587	6	1,956,271
Macoupin	4	3,241,087	6	2,530,840	6	2,221,474	6	2,223,055	4	2,075,253
Madison	5	3,031,553	4	2,987,906	5	3,030,892	5	2,711,767	5	2,013,692
Vermilion	6	2,012,835	5	2,618,375	3	3,114,060	3	2,893,233	3	2,558,371
LaSalle	7	1,595,327	8	1,696,853	8	1,773,189	7	1,877,555	7	1,894,510
Fulton	8	1,593,793	9	1,439,489	10	1,284,279	10	1,036,496	10	889,679
Bureau	9	1,547,456	7	1,751,875	7	1,832,577	8	1,778,302	8	1,732,813
Perry	10	1,443,926	11	1,268,718	11	1,240,174	11	1,031,751	14	789,625
Grundy	11	1,170,625	10	1,326,109	9	1,405,158	9	1,457,935	9	1,383,336
Peoria	12	844,484	13	904,892	14	939,737	15	920,716	13	824,270
Christian	13	826,500	15	857,890	13	986,685	14	926,563	15	725,068
Marion	14	826,290	12	1,086,350	12	1,083,784	12	1,002,047	11	881,821
Clinton	15	770,689	14	904,826	15	925,515	16	870,518	16	724,462
Jackson	16	759,962	16	802,101	16	862,641	13	972,284	12	853,056
Montgomery	17	649,839	..	..	..	..	..	..	..	..
Saline	18	601,979	..	..	..	..	..	..	..	..
Randolph	19	581,841	19	506,547	17	630,280	..	..	..	..
Menard	20	536,273	..	..	19	543,763	..	..	..	..
Marshall .....	..	..	18	510,968	..	..	..	..	..	..
Mercer .....	..	..	17	544,220	18	601,508	17	648,070	17	602,722
Totals — Counties and tons	20	34,286,068	19	33,346,792	19	33,438,969	17	30,423,084	17	26,156,511

TABLE 34—*Relative Rank of Counties Producing 500,000 Tons of Coal or Over for a Series of Five Years—1897-1901.*

COUNTY.	Rank.	Tonnage 1901.	Rank.	Tonnage 1900.	Rank.	Tonnage 1899.	Rank.	Tonnage 1898.	Rank.	Tonnage 1897.
St. Clair	2	2,518,847	2	2,253,883	4	1,849,474	2	1,600,752	4	1,718,194
Sangamon	1	2,919,223	1	2,519,911	2	2,063,572	1	1,763,863	3	1,838,453
Williamson	6	1,605,960	9	1,133,607	9	1,078,755	6	915,108	12	669,480
Macoupin	3	2,115,319	5	1,843,796	5	1,646,674	4	1,264,926	2	1,975,961
Madison	7	1,595,081	6	441,650	7	1,403,977	13	630,769	9	780,921
Vermilion	4	2,003,780	3	2,030,964	1	2,221,867	3	1,520,699	1	2,000,623
LaSalle	5	1,833,561	4	2,027,864	3	1,975,939	5	1,165,490	5	1,508,833
Fulton	14	646,400	14	665,439	13	601,064	14	563,397	..	.....
Bureau	8	1,549,056	7	1,338,231	6	1,410,524	8	865,892	6	1,145,312
Perry	13	664,278	13	660,653	10	879,422	9	845,329	10	689,921
Grundy	9	1,293,092	8	1,299,863	8	1,280,332	10	796,249	7	1,077,576
Peoria	12	710,582	12	727,737	12	744,696	12	640,193	..	.....
Christian	16	578,432	15	652,662	14	572,459	..	.....	8	837,897
Marion	11	829,326	11	840,814	..	.....	11	714,513	13	626,860
Clinton	15	644,664	16	535,601	..	.....	..	.....	..	.....
Jackson	10	911,245	10	833,311	11	875,711	7	911,194	11	675,212
Montgomery .....	..	.....	..	.....	..	.....	..	.....	..	.....
Saline .....	..	.....	..	.....	..	.....	..	.....	..	.....
Randolph .....	..	.....	..	.....	..	.....	..	.....	..	.....
Menard .....	..	.....	..	.....	..	.....	..	.....	..	.....
Marshall .....	..	.....	..	.....	..	.....	..	.....	..	.....
Mercoer	17	563,603	17	501,065	..	.....	..	.....	..	.....
Totals — Counties and tons	17	22,982,499	17	21,383,041	14	18,624,488	14	14,198,374	13	15,545,253

Each of these counties represent a production of 500,000 tons or more during the ten years shown. This year 20 counties are found in this class; St. Clair takes first place and puts Sangamon second, the latter county has held first place for the previous six years. In Table 34 the counties are arranged in rank the same as in Table 33; both tables reveal the variable production of coal in the counties embraced in the list. This year the twenty counties in the list show an output of thirty-four and a quarter millions of tons, or 89.48 per cent of the total output of all the counties of the State.

The following table presents an alphabetical list of the coal producing counties of the State, giving the district in which they are located, with the record of all the mines, men and tons, and the same record separately for both shipping and local mines:

TABLE 35—*Coal Producing Counties of the State, Showing Number of Districts, Mines, Men and Tons, both Shipping and Local Mines—1906.*

COUNTY.	District.	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
		Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1 Bond.....	8	2	203	130,521	2	203	130,521			
2 Brown.....	6	8	11	1,694				8	11	1,694
3 Bureau.....	2	21	4,746	1,547,456	8	4,666	1,522,793	13	80	24,663
4 Calhoun.....	7	1	10	3,000				1	10	3,000
5 Cass.....	6	1	4	750				1	4	750
6 Christian.....	7	8	1,497	826,500	8	1,497	826,500			
7 Clinton.....	9	6	1,183	770,689	6	1,183	770,689			
8 Edgar.....	5	2	14	3,300				2	14	3,300
9 Franklin.....	9	3	696	387,230	3	696	387,230			
10 Fulton.....	4	88	2,821	1,533,793	23	2,585	1,516,568	65	226	77,225
11 Gallatin.....	10	7	150	99,860	2	120	90,264	5	30	9,596
12 Greene.....	7	4	32	8,016				4	32	8,016
13 Grundy.....	1	24	2,869	1,170,625	11	2,768	1,143,144	13	101	27,481
14 Hancock.....	4	5	33	10,907	1	12	8,400	4	21	2,507
15 Henry.....	2	29	363	162,429	3	175	92,412	26	188	70,017
16 Jackson.....	10	22	1,424	759,962	11	1,385	741,796	11	39	18,166
17 Jefferson.....	9	1	36	20,292	1	36	20,292			
18 Johnson.....	10	2	6	912				2	6	912
19 Kankakee.....	1	1	68	28,419	1	68	28,419			
20 Knox.....	2	46	207	63,286	1	41	20,466	45	166	42,820
21 LaSalle.....	1	41	3,739	1,536,327	18	3,537	1,536,582	23	202	58,745
22 Livingston.....	3	11	506	281,035	4	390	239,065	7	116	41,970
23 Logan.....	6	4	675	450,127	4	675	450,127			
24 Macon.....	5	5	466	266,883	5	466	266,883			
25 Macoupin.....	7	29	3,992	3,241,067	19	3,929	3,225,124	10	63	15,963
26 Madison.....	8	36	3,961	3,031,553	18	3,822	2,988,185	18	129	43,968
27 Marion.....	9	6	1,389	826,280	6	1,389	826,280			
28 Marshall.....	3	13	1,060	437,230	3	1,016	427,475	10	34	9,755
29 McDonough.....	4	67	267	56,550	2	73	23,133	65	214	33,417
30 McLean.....	4	3	346	152,500	3	346	152,500			
31 Menard.....	6	16	795	536,273	9	757	520,394	7	38	15,879
32 Mercer.....	2	16	784	448,068	7	742	431,497	9	42	16,591

Table 35—Concluded.

COUNTY.	District.	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
		Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Montgomery.....	7	8	940	649,839	7	934	648,188	1	6	1,651
Franklin.....	7	2	14	3,048				2	14	3,048
Madison.....	3	84	1,292	844,484	17	971	723,695	67	321	120,789
Wayne.....	9	27	2,051	1,443,926	22	2,026	1,433,170	5	25	10,756
Stamford.....	3	1	279	135,004	1	279	135,004			
Polk.....	9	15	858	581,841	11	835	572,001	4	23	9,840
Island.....	2	15	132	74,021	3	39	20,059	12	93	53,962
De Witt.....	10	22	1,008	601,979	15	984	596,080	7	24	5,899
Shannon.....	6	40	6,294	4,155,431	35	6,189	4,124,722	5	105	30,709
Wyer.....	6	14	77	16,332	1	25	2,533	13	52	13,799
Lincoln.....	7	8	45	19,938				8	45	19,938
Boyd.....	7	11	365	126,664	2	361	116,141	9	104	10,523
St. Clair.....	3	18	121	34,696	2	26	13,841	16	95	20,855
St. Clair.....	8	83	4,479	4,168,019	58	4,309	4,071,079	25	170	96,940
Well.....	4	12	358	212,633	4	235	142,692	8	123	69,941
Million.....	5	59	3,517	2,012,835	21	3,217	1,861,449	38	300	151,386
Men.....	2	15	61	16,214				15	61	16,214
Wilmington.....	9	3	156	95,796	2	148	98,796	1	8	2,000
De.....	9	1	11	6,585	1	11	6,585			
.....	1	6	415	141,959	4	395	135,359	2	20	6,600
Shannon.....	10	44	5,062	3,927,189	32	5,005	3,903,104	12	77	24,065
Ward.....	3	2	375	136,574	2	375	136,574			
Totals.....		1,018	62,283	38,317,581	419	58,851	37,122,811	599	3,432	1,194,770

DISPOSITION OF THE OUTPUT.

The disposition of the entire output of the coal, of the State for the year, is shown in the following table by districts:

TABLE 36—*Disposition of the Output of Shipping Mines by Districts. Also Local Mines.*

DISTRICTS.	Number of mines.	Total output all grades—Tons.	DISPOSITION OF PRODUCT—TONS.			
			Shipped from mines.	Supplied to locomotives at mines.	Sold to local trade.	Consumed and wasted at mines.
First	34	2,843,504	2,364,675	96,160	142,879	239,790
Second	22	2,087,227	1,917,890	26,071	50,233	93,043
Third	29	1,675,654	1,496,229	58,978	63,133	55,314
Fourth	33	1,843,293	1,616,865	57,714	102,399	66,315
Fifth	26	2,128,332	1,861,911	38,683	162,506	50,232
Sixth	49	5,097,776	4,493,078	129,877	272,346	202,475
Seventh	36	4,815,953	4,313,693	143,892	155,839	202,539
Eighth	78	7,189,785	6,714,094	82,791	119,978	272,922
Ninth	52	4,110,043	3,483,269	333,951	141,931	150,892
Tenth	60	5,331,244	4,812,426	72,227	182,507	264,064
Shipping mines...	419	37,122,811	33,096,110	1,035,344	1,393,751	1,597,606
Local mines	599	1,194,770	.....	.....	1,145,927	48,843
The State	1,018	38,317,581	33,096,110	1,035,344	2,539,678	1,646,449

A better reading of these figures will be found in the following table of percentages:

TABLE 37—*Percentages of the Output of Shipping and Local Mines. Also Percentages of the Distribution, by Districts—1906.*

DISTRICTS.	Number of mines.	PERCENTAGES OF TONS—				
		Total output.	Shipped.	To locomotives.	Sold to local trade.	Consumed or wasted at mines.
First	34	7.66	83.16	3.38	5.08	8.43
Second	22	5.62	91.88	1.25	2.41	4.46
Third	29	4.52	89.41	3.52	3.77	3.80
Fourth	33	4.97	87.72	3.13	5.55	3.60
Fifth	26	5.73	88.42	1.58	7.64	2.36
Sixth	49	13.73	88.14	2.55	5.34	3.97
Seventh	36	12.97	89.57	2.99	3.24	4.20
Eighth	78	19.37	93.38	1.15	1.67	3.80
Ninth	52	11.07	84.75	8.13	3.45	3.67
Tenth	60	14.36	90.27	1.36	3.42	4.95
Shipping mines.....	419	100.00	89.15	2.79	3.76	4.30
Local mines	599	100.00	.....	.....	95.91	4.09

Considered by districts, the percentages of tons shipped from each varies but slightly; the eighth district shows the highest per cent, 93.38; and the first the lowest, 83.16; for the State, 89.15 per cent of the total tonnage was shipped.

Dividing the coal fields of the State, as represented by districts, into three groups, the following is presented: Considering the first, second, third and fourth districts as the northern field; the fifth, sixth and seventh as the central field, and the eighth, ninth and tenth as the southern field. With this division, it is found that the northern field produced 8,449,678 tons, or 22.77 per cent of the total output of shipping mines; the central field produced 12,042,061 tons or 32.43 per cent; and the southern field produced 16,631,072 tons or 44.80 per cent. The northern field, from its production of the shipping mines, sent 7,397,649 tons or 87.55 per cent to the market; the central field 10,688,672 tons or 88.76 per cent, and the southern field 15,009,789 tons or 90.25 per

cent. The total output and disposal of the product of the shipping mines is shown by percentages for the past seven years; also the same for local mines.

TABLE 38—*Total Output of the Shipping Mines of the State, also Percentages of the Distribution for Seven Years.*

YEAR.	Total output.	PERCENTAGES OF—			
		Tons shipped.	Tons supplied to locomotives.	Tons sold to local trade.	Tons consumed or wasted at the mines.
1900.....	24,056,996	87.33	3.42	5.12	4.13
1901.....	25,526,816	88.34	3.46	4.12	4.06
1902.....	28,824,750	89.07	3.30	3.74	3.89
1903.....	33,676,537	89.33	3.27	3.59	3.81
1904.....	35,779,517	88.82	3.32	3.80	4.06
1905.....	35,956,543	88.07	3.26	3.88	4.79
1906.....	37,122,811	89.16	2.79	3.75	4.30

LOCAL MINES.

1900.....	1,096,933	.....	5.66	85.57	8.77
1901.....	1,108,503	.....	5.84	86.62	7.54
1902.....	1,196,550	.....	1.54	89.05	9.41
1903.....	1,278,864	.....	1.29	86.86	11.85
1904.....	1,298,380	.....	2.75	89.46	7.79
1905.....	1,226,831	.....	.49	98.20	1.31
1906.....	1,194,770	.....	.....	95.91	4.09

As indicated by the percentages, the very large proportion of the product of the shipping mines, loaded on cars at the plants for shipment, shows a remarkable uniformity in quantity for the seven years.

DISPOSITION BY DISTRICTS AND COUNTIES.

Following is presented a detailed showing of the coal produced in each county for the past year and the disposition of the product. The order of districts is observed in this showing:

TABLE 39—*Disposition of the Output of Shipping Mines by Counties, and Districts, also the Total Tonnage of Local Mines.*

FIRST DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Grundy	11	1,143,144	1,090,613	.....	19,451	43,080
Kankakee	1	25,419	25,343	.....	1,076	2,000
LaSalle	18	1,536,582	1,136,927	96,160	113,966	189,509
Will	4	135,359	121,792	.....	8,366	5,201
The district	34	2,843,504	2,364,675	96,160	142,879	239,790
Percentages .....	.....	100.00	83.16	3.38	5.03	8.43
Local mines	38	92,826	.....	.....	71,253	21,573

SECOND DISTRICT.

Bureau	8	1,522,793	1,400,517	23,401	27,693	71,182
Henry	3	92,412	82,120	.....	6,992	3,300
Knox	1	20,466	19,566	600	300	.....
Mercer	7	431,497	399,828	2,070	11,588	18,011
Rock Island	3	20,069	15,849	.....	3,660	550
The district	22	2,087,227	1,917,880	26,071	50,233	93,043
Percentages .....	.....	100.00	91.88	1.25	2.41	4.46
Local mines	120	224,267	.....	.....	221,321	2,946

THIRD DISTRICT.

Livingston	4	239,065	220,446	7,393	5,357	5,869
Marshall	3	427,475	347,004	29,040	33,128	18,303
Peoria	17	723,695	684,748	18,495	4,171	16,261
Putnam	1	135,004	124,918	175	3,753	6,158
Stark	2	13,841	8,941	.....	4,500	400
Woodford	2	136,574	112,172	3,875	12,224	8,303
The district	29	1,675,654	1,498,229	58,978	63,133	55,314
Percentages .....	.....	100.00	89.41	3.52	3.77	3.30
Local mines	100	193,369	.....	.....	182,301	.....

Table 39—Continued.

FOURTH DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mine.	Sold to local trade.	Consumed or wasted at the mines.
Fulton	23	1,516,568	1,437,593	27,284	16,359	35,332
Hancock	1	8,400	8,000		400	
McLean	3	152,500	34,231	30,430	60,939	28,900
McDonough	2	23,133	22,854			279
Tazewell	4	142,692	114,187		24,701	3,904
The district	33	1,843,293	1,616,865	57,714	102,399	66,315
Percentages		100.00	87.72	3.13	5.55	3.60
Local mines	142	183,090			180,804	2,286

FIFTH DISTRICT.

Macon	5	266,883	132,445	2,421	123,152	8,865
Vermilion	21	1,861,449	1,749,466	31,262	39,354	41,367
The district	26	2,128,332	1,881,911	33,683	162,506	50,232
Percentages		100.00	88.42	1.58	7.64	2.36
Local mines	40	154,686			154,586	100

SIXTH DISTRICT.

Logan	4	450,127	363,378	25,267	45,315	16,167
Menard	9	520,394	458,070	2,822	37,742	21,760
Sangamon	35	4,124,722	3,669,547	101,788	189,289	164,098
Schuyler	1	2,533	2,063			450
The district	49	5,097,776	4,493,078	129,877	272,346	202,475
Percentages		100.00	88.14	2.55	5.34	3.97
Local mines	34	62,831			60,816	2,015

SEVENTH DISTRICT.

Christian	8	826,500	661,920	54,742	57,810	52,028
Macoupin	19	3,225,124	2,968,090	67,784	59,607	129,643
Montgomery	7	648,188	601,120	8,049	25,056	13,963
Shelby	2	116,141	82,553	13,317	13,366	6,905
The district	36	4,815,953	4,313,683	143,892	155,839	202,539
Percentages		100.00	89.57	2.99	3.24	4.20
Local mines	35	62,139			57,572	4,567

Table 39—Concluded.

EIGHTH DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE—			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Bond	2	130,521	120,662	.....	3,370	6,489
Madison	18	2,988,185	2,797,302	23,316	45,286	122,281
St. Clair	58	4,071,079	3,796,130	59,475	71,322	144,152
The district	78	7,189,785	6,714,094	82,791	119,978	272,922
Percentages .....	.....	100.00	93.38	1.15	1.67	3.80
Local mines	43	140,308	.....	.....	137,968	2,340

NINTH DISTRICT.

Clinton	6	770,699	677,121	40,130	18,339	35,099
Franklin	3	397,230	356,271	614	9,590	20,765
Jefferson	1	20,292	2,096	9,969	7,046	1,191
Marion	6	826,290	582,557	141,159	55,415	47,149
Perry	22	1,433,170	1,268,478	111,621	21,033	31,638
Randolph	11	572,001	553,083	.....	9,590	9,328
Washington	2	93,796	42,963	30,258	15,543	5,042
White	1	6,585	720	.....	5,395	490
The district	52	4,110,043	3,488,269	333,951	141,931	150,892
Percentages .....	.....	100.00	84.75	8.13	3.45	3.67
Local mines	10	22,596	.....	.....	22,398	198

TENTH DISTRICT.

Gallatin	2	90,264	69,306	3,973	12,943	4,042
Jackson	11	741,796	587,784	40,738	13,737	99,537
Saline	15	596,090	550,821	18,487	15,111	11,661
Williamson	32	3,908,104	3,604,515	9,029	140,716	143,844
The district	60	5,331,244	4,812,426	72,227	182,507	264,064
Percentages .....	.....	100.00	90.27	1.36	3.42	4.95
Local mines	37	58,668	.....	.....	56,908	1,750

DISTRIBUTION OF COAL TO RAILROADS.

For the past nine years these reports have shown the commercial tonnage of the coal producing counties of the State, and the railroads receiving the same for transportation from the mines. The record is here

presented for this year. Here is a list of 43 railroads that have transported the 33,096,110 tons of coal, the production of 45 counties. The Illinois Central has been at the head of this list every year; this year shows that 112 mines located in 21 counties, traversed by this road, delivered to it 7,238,773 tons for transportation. The Wabash road respecting tons hauled, stood fifth in the class last year, this year it is second, hauling three and a quarter million tons; this quantity was drawn from nine counties.

The detailed table follows:

TABLE 40—*Railroads Which Have Hauled the Coal Output of Shipping Mines of the State and the Tonnage Contributed by Counties to Each Road—1906.*

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
1	Illinois Central—21 counties.....	112	7, 238, 773	400, 589	100.00	100.00
	Williamson.....	18	1, 908, 448	7, 685	26.36	1.92
	Perry.....	18	890, 878	49, 375	12.31	12.33
	St. Clair.....	22	772, 896	14, 889	10.67	3.70
	Sangamon.....	3	608, 582	15, 990	8.41	3.98
	Marion.....	6	579, 888	141, 159	8.01	35.24
	Jackson.....	8	508, 689	40, 788	6.96	10.17
	LaSalle.....	4	353, 936	45, 700	4.89	11.41
	Madison.....	2	351, 566	2, 898	4.86	.60
	Christian.....	5	308, 153	13, 774	4.27	3.44
	Logan.....	4	212, 890	25, 267	2.94	6.31
	Randolph.....	4	174, 553	.....	2.41	.....
	Macoupin.....	1	155, 164	20, 749	2.14	5.18
	Franklin.....	2	118, 420	307	1.63	.07
	Marshall.....	1	77, 204	.....	1.07	.....
	Shelby.....	1	59, 806	13, 317	.63	3.32
	Saline.....	2	42, 633	.....	.59	.....
	Woodford.....	1	36, 218	.....	.50	.....
	Washington.....	1	32, 000	.....	.44	.....
	Kankakee.....	1	25, 343	.....	.35	.....
	Macon.....	2	14, 673	2, 421	.20	.60
	McLean.....	1	11, 343	6, 990	.16	1.73
2	Wabash—9 counties.....	42	3, 241, 612	119, 962	100.00	100.00
	Macoupin.....	12	1, 587, 981	47, 035	48.98	39.22
	Sangamon.....	12	755, 081	34, 575	23.29	28.82
	Christian.....	3	300, 329	30, 900	9.27	25.75
	Madison.....	3	199, 882	.....	6.17	.....
	Vermilion.....	3	117, 472	.....	3.62	.....
	Livingston.....	2	111, 987	.....	3.45	.....
	Macon.....	3	92, 762	.....	2.55	.....
	Montgomery.....	2	54, 938	7, 452	1.70	6.21
	LaSalle.....	2	31, 480	.....	.97	.....
3	Chicago & Eastern Illinois—5 counties....	23	2, 505, 098	10, 015	100.00	100.00
	Vermilion.....	11	1, 400, 603	.....	55.91	.....
	Williamson.....	8	931, 938	.....	37.20	.....
	Franklin.....	2	126, 905	.....	5.07	.....
	Madison.....	1	43, 609	46	1.74	.46
	Jefferson.....	1	2, 043	9, 969	.08	99.54

Table 40—Continued.

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
4	Chicago, Burl. & Quincy—11 counties.....	46	2,075,384	17,430	100.00	100.00
	Fulton.....	17	1,037,259	14,752	49.98	84.64
	LaSalle.....	9	410,062		19.76	
	Mercer.....	4	220,466	1,486	10.62	8.52
	Bureau.....	1	126,186	1,192	6.08	6.84
	Peoria.....	5	112,922		5.44	
	Henry.....	2	72,477		3.49	
	Williamson.....	2	47,137		2.27	
	McDonough.....	2	22,854		1.10	
	Bond.....	1	9,080		.44	
	Stark.....	2	8,941		.43	
	Hancock.....	1	8,000		.39	
5	Chicago & Alton—9 counties.....	41	1,991,912		100.00	
	Sangamon.....	18	1,513,941		76.00	
	Menard.....	4	189,263		9.50	
	Logan.....	2	150,498		7.56	
	Will.....	3	87,291		4.38	
	Grundy.....	4	18,299		.92	
	LaSalle.....	1	15,000		.75	
	Marshall.....	7	15,000		.75	
	Livingston.....	1	2,120		.11	
	McLean.....	1	500		.03	
6	Cleve, Cin., Chi. & St. Louis—9 counties..	30	1,427,655	60,800	100.00	100.00
	Saline.....	13	491,288	18,487	34.41	30.40
	Montgomery.....	3	439,178		30.76	
	Vermilion.....	6	203,891	31,262	14.28	51.42
	Madison.....	1	130,827		9.16	
	Tazewell.....	2	59,402		4.16	
	Christian.....	1	39,329	7,551	2.76	12.42
	Macoupin.....	2	38,493		2.70	
	Shelby.....	1	22,747		.159	
	McLean.....	1	2,500	3,500	.18	5.76
7	Macoupin County R. R.—1 county.....	4	1,186,452		100.00	
	Macoupin.....	4	1,186,452		100.00	
8	Baltimore & Ohio S.-W.—6 counties.....	18	1,094,658	54,401	100.00	100.00
	Clinton.....	4	530,502	40,130	48.46	73.77
	St. Clair.....	6	408,493	512	37.32	.94
	Sangamon.....	4	139,165	11,242	12.71	20.66
	Christian.....	1	13,109	2,517	1.20	4.63
	Marion.....	2	2,669		.24	
	White.....	1	720		.07	
9	Elgin, Joliet & Eastern—2 counties.....	12	1,073,478		100.00	
	Grundy.....	11	1,038,977		96.79	
	Will.....	1	34,501		3.21	
10	Chicago & Northwestern—1 county.....	6	1,026,725	13,803	100.00	100.00
	Bureau.....	6	1,026,725	13,803	100.00	100.00
11	St. Louis, Troy & Eastern—1 county.....	3	846,656	2,060	100.00	100.00
	Madison.....	3	846,656	2,060	100.00	100.00
12	Louisville & Nashville—5 counties.....	17	769,077	53,294	100.00	100.00
	St. Clair.....	12	671,875	19,063	87.36	35.77
	Gallatin.....	2	69,306	3,973	9.01	7.45
	Saline.....	1	16,900		2.20	
	Washington.....	1	10,953	30,258	1.42	56.78
	Jefferson.....	1	43		.01	

Table 40—Continued.

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
13	St. Louis, Iron Mt. & So.—2 counties	12	717,412	1,344	100.00	100.00
	Williamson	11	716,992	1,344	99.94	100.00
	Jackson	1	420		.06	
14	Litchfield & Madison—1 county	4	694,886	5,306	100.00	100.00
	Madison	4	694,886	5,306	100.00	100.00
15	Southern Railroad—2 counties	12	693,378	19,211	100.00	100.00
	St. Clair	10	546,759	19,211	78.85	100.00
	Clinton	2	146,619		21.15	
16	Vandalia Line—4 counties	9	659,488	13,462	100.00	100.00
	Madison	5	442,407	13,462	67.09	100.00
	St. Clair	1	204,987		31.08	
	Macon	2	10,985		1.66	
	Bond	1	1,144		.17	
17	Mobile & Ohio—3 counties	7	599,177	57,719	100.00	100.00
	Perry	2	347,310	57,719	57.96	100.00
	Randolph	3	166,192		28.07	
	Jackson	2	83,675		13.97	
18	St. Louis & O'Fallon Electric—1 county ..	2	597,678	3,060	100.00	100.00
	St. Clair	2	597,678	3,060	100.00	100.00
19	Chicago, Peoria & St. Louis—2 counties..	12	567,594	40,997	100.00	100.00
	Sangamon	6	296,787	38,175	53.64	93.12
	Menard	6	268,807	2,822	47.36	6.88
20	Chicago, Rock Island & Pac.—6 counties..	13	552,080	51,044	100.00	100.00
	LaSalle	5	244,240	50,460	44.24	98.86
	Mercer	3	179,363	584	32.49	1.14
	Bureau	1	98,079		16.96	
	Rock Island	2	14,693		2.66	
	Marshall	1	11,063		2.00	
	Henry	1	9,643		1.75	
21	Iowa Central—2 counties	6	425,979	17,260	100.00	100.00
	Fulton	3	224,856	745	52.78	4.32
	Peoria	3	201,123	16,515	47.22	95.68
22	St. Louis & Belleville Electric—1 county..	3	384,610		100.00	
	St. Clair	3	384,610		100.00	
23	Atchison, Top. & Santa Fe—4 counties ...	7	282,089	32,915	100.00	100.00
	Marshall	1	120,589	29,040	42.75	88.23
	Woodford	1	75,954	3,975	26.93	11.77
	LaSalle	1	62,209		22.05	
	Grundy	4	23,337		8.27	
24	Toledo, Peoria & Western—4 counties	11	282,025	21,160	100.00	100.00
	Fulton	5	175,478	11,787	62.22	55.70
	Peoria	4	92,707	1,960	32.87	9.36
	Livingston	1	6,952	7,393	2.47	34.94
	McLean	1	6,898		2.44	

Table 40—Continued.

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
25	Chicago, Mil. & St. Paul—2 counties	3	279,445	8,581	100.00	100.00
	Bureau	2	154,527	8,406	55.90	97.96
	Putnam	1	124,918	175	44.70	2.04
26	Toledo, St. Louis & Western—3 counties..	5	223,057	597	100.00	100.00
	Bond	1	110,438		49.51	
	Montgomery	2	107,004	597	47.97	100.00
	Madison	2	5,615		2.52	
27	Illinois Southern—1 county	4	210,338		100.00	
	Randolph	4	210,338		100.00	
28	East St. Louis Suburban Elec.—1 county..	2	209,352	2,800	100.00	100.00
	St. Clair	2	209,352	2,800	100.00	100.00
29	Chicago & Illinois Midland—1 county	1	198,759	1,866	100.00	100.00
	Sangamon	1	198,759	1,866	100.00	100.00
30	Cincinnati, Ham. & Dayton—2 counties....	5	173,209		100.00	
	Sangamon	3	149,155		86.12	
	Macon	2	24,045		13.88	
31	Peoria & Pekin Union—2 counties	4	170,972		100.00	
	Peoria	3	126,320		73.89	
	Tazewell	1	44,652		26.11	
32	Peoria & Pekin Terminal—1 county	2	151,676		100.00	
	Peoria	2	151,676		100.00	
33	Toluca, Marquette & Northern—1 county.	1	123,148		100.00	
	Marshall	1	123,148		100.00	
34	Missouri Pacific—1 county	1	110,946	307	100.00	100.00
	Franklin	1	110,946	307	100.00	100.00
35	Indiana, Illinois & Iowa—1 county	1	99,687		100.00	
	Livingston	1	99,687		100.00	
36	Illinois Terminal—1 county	1	81,854	44	100.00	100.00
	Madison	1	81,854	44	100.00	100.00
37	Illinois Traction Co. (Electric)—2 counties	3	83,577		100.00	
	Vermilion	1	27,500		81.90	
	Sangamon	2	6,077		18.10	
38	Wabash, Chester & Western—1 county ...	2	30,290	4,727	100.00	100.00
	Perry	2	30,290	4,727	100.00	100.00
39	Lake Erie & Western—2 counties	2	23,133	20,000	100.00	100.00
	McLean	1	13,000	20,000	56.20	100.00
	Tazewell	1	10,133		43.80	
40	Chicago, Indiana & Southern—1 county...	1	20,000		100.00	
	LaSalle	1	20,000		100.00	

Table 40—Concluded.

Number.	RAILROADS AND COUNTIES.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
			Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
41	Galesburg & Great Eastern—1 county	1	19,566	600	100.00	100.00
	Knox	1	19,566	600	100.00	100.00
42	Macomb & Western—1 county	1	2,083	.....	100.00	.....
	Schuyler	1	2,083	.....	100.00	.....
43	Davenport, R. I. & N. W.—1 county	1	1,156	.....	100.00	.....
	Rock Island	1	1,156	.....	100.00	.....
	The State		33,086,110	1,035,344		

A list of the railroads receiving the output of shipping mines for transportation, arranged as to tonnage hauled, is presented. Ten of these roads received the output from 334 or 79.71 per cent of all the mines, transporting 22,861,747 tons or 69.08 per cent of all the coal shipped from the mines. The list of roads follows:

TABLE 41—Illinois Coal Delivered to Illinois Railroads at the Mines for Shipment and for Use on Locomotives—1906.

Number.	RAILROADS.	NUMBER OF—		TONS DELIVERED TO EACH RAILROAD FOR—		Total tons.
		Coun- ties.	Mines.	Ship- ment.	Loco- motives.	
1	Illinois Central.....	21	112	7,238,773	400,589	7,639,362
2	Wabash.....	9	42	3,241,612	119,962	3,361,574
3	Chicago & Eastern Illinois.....	5	23	2,505,098	10,015	2,515,113
4	Chicago, Burlington & Quincy.....	11	46	2,075,384	17,430	2,092,814
5	Chicago & Alton.....	9	41	1,991,912	.....	1,991,912
6	Cleveland, Cincinnati, Chicago & St. L.....	9	30	1,427,655	60,800	1,488,455
7	Macoupin County R. R.....	1	4	1,186,452	.....	1,186,452
8	Baltimore & Ohio S. W.....	6	18	1,094,658	54,401	1,149,059
9	Elgin, Joliet & Eastern.....	2	12	1,073,478	.....	1,073,478
10	Chicago & Northwestern.....	1	6	1,026,725	13,803	1,040,528
11	St. Louis, Troy & Eastern.....	1	3	846,656	2,060	848,716
12	Louisville & Nashville.....	5	17	769,077	53,294	822,371
13	St. Louis, Iron Mountain & Southern.....	2	12	717,412	1,344	718,756
14	Litchfield & Madison.....	1	4	694,896	5,306	700,192
15	Southern Railroad.....	2	12	693,378	19,211	712,589

Table 41—Concluded.

Number.	RAILROADS.	NUMBER OF—		TONS DELIVERED TO EACH RAILROAD FOR—		Total tons.
		Coun- ties.	Mines.	Ship- ment.	Loco- motives.	
16	Vandalia Line.....	4	9	659,483	13,462	672,945
17	Mobile & Ohio.....	3	7	599,177	57,719	656,896
18	St. Louis & O'Fallon Electric.....	1	2	597,678	3,050	600,728
19	Chicago, Peoria & St. Louis.....	2	12	567,594	40,997	608,591
20	Chicago, Rock Island & Pacific.....	6	13	552,090	51,044	603,124
21	Iowa Central.....	2	6	425,979	17,260	443,239
22	St. Louis & Belleville Electric.....	1	3	384,610	.....	384,610
23	Atchison, Topeka & Santa Fé.....	4	7	282,089	32,915	315,004
24	Toledo, Peoria & Western.....	4	11	282,025	21,160	303,185
25	Chicago, Milwaukee & St. Paul.....	2	3	279,445	8,581	288,026
26	Toledo, St. Louis & Western.....	3	5	223,057	597	223,654
27	Illinois Southern.....	1	4	210,338	.....	210,338
28	East St. Louis Suburban Electric.....	1	2	209,352	2,800	212,152
29	Chicago, Illinois Midland.....	1	1	198,759	1,866	200,625
30	Cincinnati, Hamilton & Dayton.....	2	5	173,200	.....	173,200
31	Peoria & Pekin Union.....	2	4	170,972	.....	170,972
32	Peoria & Pekin Terminal.....	1	2	151,676	.....	151,676
33	Toluca, Marquette & Northern.....	1	1	123,148	.....	123,148
34	Missouri Pacific.....	1	1	110,946	307	111,253
35	Indiana, Illinois & Iowa.....	1	1	99,687	.....	99,687
36	Illinois Terminal.....	1	1	81,854	44	81,898
37	Illinois Traction Co. (Electric).....	2	3	33,577	.....	33,577
38	Wabash, Chester & Western.....	1	2	30,290	4,727	35,017
39	Lake Erie & Western.....	2	2	23,133	20,000	43,133
40	Chicago, Indiana & Southern.....	1	1	20,000	.....	20,000
41	Galesburg & Great Eastern.....	1	1	19,566	600	20,166
42	Macomb & Western.....	1	1	2,083	.....	2,083
43	Davenport, Rock Island & Northwestern.....	1	1	1,156	.....	1,156
Total 43 railroads.....		.....	.....	33,096,110	1,035,344	34,131,454

Corresponding to the presentation of the tons contributed to railroads by counties, (Table 40), a table is presented showing the tons of each county as distributed to the railroads carrying the coal to the markets. Sangamon county, with the exception of one year (1899) has held first place in this exhibit, and here takes second place, surrendering to St. Clair county, which was third last year. This list of counties is ar-

ranged according to the largest tonnage supplied to the railroads; Williamson county held second place last year but is third this year; this county contributed the largest number of tons of any one county to any one road for transportation.

The list follows:

TABLE 42—*Counties which have Produced the Commercial Coal of the State and the Tonnage Delivered to the Several Railroads in Each for Transportation.*

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
1	St. Clair.....	8	.....	.....	3,796,130
	Illinois Central.....	22	.....	772,396	20.35
	Louisville & Nashville.....	12	.....	671,875	17.70
	St. Louis & O'Fallon.....	2	.....	597,678	15.74
	Southern Railroad.....	10	.....	546,759	14.40
	Baltimore & Ohio Southwestern.....	6	.....	408,493	10.76
	St. Louis & Belleville Electric.....	3	.....	384,610	10.13
	East St. Louis & Suburban Electric.....	2	.....	209,352	5.52
	Vandalia.....	1	.....	204,967	5.40
2	Sangamon.....	8	.....	.....	3,669,547
	Chicago & Alton.....	18	.....	1,513,941	41.25
	Wabash.....	12	.....	755,081	20.58
	Illinois Central.....	8	.....	606,582	16.58
	Chicago, Peoria & St. Louis.....	4	.....	298,787	8.14
	Chicago, Illinois Midland.....	1	.....	198,759	5.42
	Cincinnati, Hamilton & Dayton.....	3	.....	149,155	4.07
	Baltimore & Ohio Southwestern.....	4	.....	139,165	3.79
	Illinois Traction Co. (Electric).....	2	.....	6,077	.17
3	Williamson.....	4	.....	.....	3,604,515
	Illinois Central.....	18	.....	1,908,448	52.95
	Chicago & Eastern Illinois.....	8	.....	931,938	25.85
	St. Louis, Iron Mountain & Southern.....	11	.....	716,992	19.89
	Chicago, Burlington & Quincy.....	2	.....	47,137	1.31
4	Macoupin.....	4	.....	.....	2,968,090
	Wabash.....	12	.....	1,597,961	53.50
	Macoupin County R. R.....	4	.....	1,196,452	39.97
	Illinois Central.....	1	.....	155,164	5.23
	Cleveland, Cincinnati, Chicago & St. Louis.....	2	.....	38,493	1.30
5	Madison.....	9	.....	.....	2,797,302
	St. Louis, Troy & Eastern.....	3	.....	846,656	30.27
	Litchfield & Madison.....	4	.....	694,896	24.84
	Vandalia.....	5	.....	442,407	15.81
	Illinois Central.....	2	.....	351,566	12.57
	Wabash.....	3	.....	199,832	7.14
	Cleveland, Cincinnati, Chicago & St. Louis.....	1	.....	130,827	4.68
	Illinois Terminal.....	1	.....	81,854	2.93
	Chicago & Eastern Illinois.....	1	.....	43,609	1.56
	Toledo, St. Louis & Western.....	2	.....	5,615	.20
6	Vermillion.....	4	.....	.....	1,749,466
	Chicago & Eastern Illinois.....	11	.....	1,400,603	80.06
	Cleveland, Cincinnati, Chicago & St. Louis.....	6	.....	203,891	11.65
	Wabash.....	3	.....	117,472	6.72
	Illinois Traction Co. (Electric).....	1	.....	27,500	1.57
7	Fulton.....	3	.....	.....	1,437,593
	Chicago, Burlington & Quincy.....	17	.....	1,037,259	72.15
	Iowa Central.....	3	.....	224,856	15.64
	Toledo, Peoria & Western.....	5	.....	175,478	12.21

Table 42—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
8	Bureau.....	4			1,400,517
	Chicago & Northwestern.....		6	1,026,725	73.31
	Chicago, Milwaukee & St. Paul.....		2	154,527	11.03
	Chicago, Burlington & Quincy.....		1	126,186	9.01
	Chicago, Rock Island & Pacific.....		1	93,079	6.65
9	Perry.....	3			1,268,478
	Illinois Central.....		18	890,878	70.23
	Mobile & Ohio.....		2	347,310	27.38
	Wabash, Chester & Western.....		2	30,290	2.39
10	LaSalle.....	7			1,136,927
	Chicago, Burlington & Quincy.....		9	410,062	36.07
	Illinois Central.....		4	353,936	31.13
	Chicago, Rock Island & Pacific.....		5	244,240	21.48
	Atchison, Topeka & Santa Fé.....		1	62,209	5.47
	Wabash.....		2	31,430	2.77
	Chicago, Indiana & Southern.....		1	20,000	1.76
	Chicago & Alton.....		1	15,060	1.32
11	Grundy.....	3			1,080,613
	Elgin, Joliet & Eastern.....		11	1,038,977	96.15
	Atchison, Topeka & Santa Fé.....		4	23,337	2.16
	Chicago & Alton.....		4	18,299	1.69
12	Peoria.....	4			684,748
	Peoria & Pekin Union.....		5	277,996	40.60
	Iowa Central.....		3	201,123	29.37
	Chicago, Burlington & Quincy.....		5	112,922	16.49
	Toledo, Peoria & Western.....		4	92,707	13.54
13	Clinton.....	2			677,121
	Baltimore & Ohio.....		4	530,502	78.35
	Southern R. R.....		2	146,619	21.65
14	Christian.....	4			661,920
	Illinois Central.....		5	309,153	46.71
	Wabash.....		3	300,329	45.37
	Cleveland, Cincinnati, Chicago & St. Louis.....		1	39,329	5.94
	Baltimore & Ohio.....		1	13,109	1.98
15	Montgomery.....	3			601,120
	Cleveland, Cincinnati, Chicago & St. Louis.....		3	439,178	73.06
	Toledo, St. Louis & Western.....		2	107,004	17.80
	Wabash.....		2	54,938	9.14
16	Jackson.....	3			587,784
	Illinois Central.....		8	503,689	85.69
	Mobile & Ohio.....		2	53,675	14.24
	St. Louis, Iron Mountain & Southern.....		1	420	.07
17	Marion.....	2			582,557
	Illinois Central.....		6	579,868	99.54
	Baltimore & Ohio.....		2	2,669	.46
18	Randolph.....	3			553,063
	Illinois Southern.....		4	210,338	38.03
	Illinois Central.....		4	174,563	31.56
	Mobile & Ohio.....		3	168,192	30.41

Table 42—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
19 Saline.....		3			550,821
	Cleveland, Cincinnati, Chicago & St. Louis.....	12		491,298	89.19
	Illinois Central.....	1		42,633	7.74
	Louisville & Nashville.....	1		16,900	3.07
20 Menard.....		2			458,070
	Chicago, Peoria & St. Louis.....	6		268,807	58.68
	Chicago & Alton.....	4		189,263	41.31
21 Mercer.....		2			399,828
	Chicago, Burlington & Quincy.....	4		230,406	55.14
	Chicago, Rock Island & Pacific.....	3		179,362	44.86
22 Logan.....		2			363,378
	Illinois Central.....	4		212,690	58.58
	Chicago & Alton.....	2		150,688	41.42
23 Franklin.....		3			356,271
	Chicago & Eastern Illinois.....	2		126,906	35.63
	Missouri Pacific.....	1		110,946	31.14
	Illinois Central.....	1		118,430	33.24
24 Marshall.....		5			347,004
	Toluen, Marquette & Northern.....	1		123,146	35.5
	Atchison, Topeka & Santa Fe.....	1		120,559	34.75
	Illinois Central.....	1		77,304	22.25
	Chicago & Alton.....	1		15,000	4.33
	Chicago, Rock Island & Pacific.....	1		11,063	3.19
25 Livingston.....		4			220,446
	Wabash.....	2		111,057	50.67
	Indiana, Illinois & Iowa.....	1		90,057	45.22
	Toledo, Peoria & Western.....	1		6,952	3.15
	Chicago & Alton.....	1		2,120	.96
26 Macon.....		4			132,445
	Wabash.....	3		62,762	62.6
	Cincinnati, Hamilton & Dayton.....	2		24,046	18.15
	Illinois Central.....	2		14,673	11.05
	Vandalia.....	2		10,965	8.25
27 Putnam.....		1			124,918
	Chicago, Milwaukee & St. Paul.....	1		124,918	100.00
28 Will.....		2			121,732
	Chicago & Alton.....	3		67,231	71.67
	Elgin, Joliet & Eastern.....	1		54,501	28.23
29 Bond.....		3			120,082
	Toledo, St. Louis & Western.....	1		100,408	91.53
	Chicago, Burlington & Quincy.....	1		9,059	7.53
	Vandalia.....	1		1,144	.94
30 Tharwell.....		3			114,157
	Cleveland, Cincinnati, Chicago & St. Louis.....	1		50,402	52.62
	Peoria & Rock Island.....	1		44,082	39.11
	Lake Erie & Western.....	1		19,133	8.67
31 Waukegan.....		2			112,172
	Atchison, Topeka & Santa Fe.....	1		75,964	67.71
	Illinois Central.....	1		36,208	32.30

Table 42—Concluded.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
32	Shelby.....	2	.....	.....	82,553
	Illinois Central.....	1	1	59,806	72.45
	Cleveland, Cincinnati, Chicago & St. Louis.....	1	1	22,747	27.55
33	Henry.....	2	.....	.....	82,120
	Chicago, Burlington & Quincy.....	2	2	72,477	88.30
	Chicago, Rock Island & Pacific.....	1	1	9,643	11.70
34	Gallatin.....	1	.....	.....	69,306
	Louisville & Nashville.....	2	2	69,306	100.00
35	Washington.....	2	.....	.....	42,953
	Illinois Central.....	1	1	32,000	74.50
	Louisville & Nashville.....	1	1	10,953	25.50
36	McLean.....	5	.....	.....	34,231
	Lake Erie & Western.....	1	1	13,000	37.98
	Illinois Central.....	1	1	11,343	33.14
	Toledo, Peoria & Western.....	1	1	6,888	20.12
	Cleveland, Cincinnati, Chicago & St. Louis.....	1	1	2,500	7.30
	Chicago & Alton.....	1	1	500	1.46
37	Kankakee.....	1	.....	.....	25,343
	Illinois Central.....	1	1	25,343	100.00
38	McDonough.....	1	.....	.....	22,854
	Chicago, Burlington & Quincy.....	2	2	22,854	100.00
39	Knox.....	1	.....	.....	19,566
	Galesburg & Great Eastern.....	1	1	19,566	100.00
40	Rock Island.....	2	.....	.....	15,849
	Chicago, Rock Island & Pacific.....	2	2	14,693	92.71
	Davenport, Rock Island & Northwestern.....	1	1	1,156	7.29
41	Stark.....	1	.....	.....	8,941
	Chicago, Burlington & Quincy.....	2	2	8,941	100.00
42	Hancock.....	1	.....	.....	8,000
	Chicago, Burlington & Quincy.....	1	1	8,000	100.00
43	Jefferson.....	2	.....	.....	2,063
	Chicago & Eastern Illinois.....	1	1	2,043	97.94
	Louisville & Nashville.....	1	1	43	2.06
44	Schuyler.....	1	.....	.....	2,063
	Macomb & Western.....	1	1	2,063	100.00
45	White.....	1	.....	.....	720
	Baltimore & Ohio.....	1	1	720	100.00
	Total tons shipped—State.....	.....	.....	33,096,110	

The counties of the State from which coal is shipped is next presented; the table is confined to the output of shipping mines only, ranged according to the largest tonnage produced:

TABLE 43—*Counties from which Coal is Shipped, Number of Shipping Mines, Total Output, Tons Shipped, Supplied to Locomotives, Sold to Local Trade and Consumed or Wasted at the Mines.*

Number.	COUNTIES.	Number of mines.	Total tons produced.	DISTRIBUTION—TONS—			
				Shipped.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed and wasted at the mines.
1	Sangamon	35	4,124,722	3,689,547	101,798	189,289	10
2	St. Clair	58	4,071,079	3,796,130	59,475	71,322	10
3	Williamson	32	3,908,104	3,604,515	9,880	140,716	10
4	Macoupin	19	3,225,124	2,968,689	67,794	59,007	10
5	Madison	18	2,968,185	2,797,302	23,316	45,296	10
6	Vermillion	21	1,861,449	1,749,406	31,282	39,354	10
7	LaSalle	18	1,536,562	1,136,927	96,160	113,996	10
8	Bureau	8	1,532,793	1,480,517	23,401	27,693	10
9	Fulton	23	1,516,568	1,437,593	27,284	16,359	10
10	Perry	22	1,433,170	1,268,478	111,621	21,083	10
11	Grundy	11	1,143,144	1,080,613	.....	19,451	10
12	Christian	8	896,500	661,930	54,742	57,810	10
13	Marion	6	896,290	562,557	141,189	55,415	10
14	Clinton	6	770,699	677,121	40,130	18,239	10
15	Jackson	11	741,796	587,784	40,738	13,737	10
16	Peoria	17	723,695	694,748	18,495	4,171	10
17	Montgomery	7	648,188	601,130	8,049	25,066	10
18	Saline	15	596,690	550,621	18,467	15,111	10
19	Randolph	11	572,601	553,063	.....	9,580	10
20	Menard	9	530,394	456,070	2,622	37,742	10
21	Logan	4	450,127	363,378	25,267	45,315	10
22	Mercer	7	431,497	389,628	2,070	11,588	10
23	Marshall	3	427,475	347,094	29,040	33,128	10
24	Franklin	3	387,280	356,271	614	9,589	10
25	Macon	5	366,963	132,445	2,421	123,152	10
26	Livingston	4	289,065	220,446	7,393	5,357	10
27	McLean	3	162,980	34,231	30,489	60,989	10
28	Tazewell	4	142,682	114,187	.....	24,701	10

Table 43—Concluded.

Number.	COUNTIES.	Number of mines	Total tons produced.	DISTRIBUTION—TONS—			
				Shipped.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed and wasted at the mines.
29	Woodford	2	136,574	112,172	3,875	12,224	8,308
30	Will	4	135,359	121,792		8,366	5,201
31	Putnam	1	135,004	124,918	175	3,753	6,158
32	Bond	2	130,521	120,662		3,370	6,489
33	Shelby	2	116,141	82,553	13,317	13,366	6,905
34	Washington	2	93,796	42,958	30,258	15,543	5,042
35	Henry	3	92,412	82,120		6,992	3,300
36	Gallatin	2	90,264	69,306	3,973	12,943	4,042
37	Kankakee	1	28,419	25,343		1,076	2,000
38	McDonough	2	23,133	22,854			279
39	Knox	1	20,466	19,566	600	300	
40	Jefferson	1	20,292	2,086	9,969	7,046	1,191
41	Rock Island	3	20,059	15,849		3,660	550
42	Stark	2	13,841	8,941		4,500	400
43	Hancock	1	8,400	8,000		400	
44	White	1	6,585	720		5,385	480
45	Schuyler	1	2,533	2,063			450
Totals		419	37,122,811	33,096,110	1,035,344	1,393,751	1,597,606

DAYS OF ACTIVE OPERATION, BY DISTRICTS

The following table presents the days of active operation of the mines of the State reduced to districts:

TABLE 44—*Days of Active Operation, by Districts.*

District.	MINES, MEN AND AVERAGE WORKING DAYS.								
	ALL MINES.			SHIPPING.			LOCAL.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
First	72	7,091	182.05	34	6,768	205.38	38	323	161.45
Second	142	6,293	168.80	22	5,663	201.09	120	630	162.91
Third	129	3,623	162.19	29	3,057	205.03	100	566	149.77
Fourth	175	3,845	152.97	33	3,261	191.93	142	584	144.68
Fifth	66	3,997	198.34	26	3,683	192.90	40	314	201.36
Sixth	83	7,856	175.05	49	7,646	180.97	34	210	162.22
Seventh	71	6,895	185.74	36	6,621	175.24	35	274	196.21
Eighth	121	8,633	188.10	78	8,334	187.35	43	299	189.40
Ninth	62	6,380	181.24	52	6,324	182.75	10	56	174.00
Tenth	97	7,670	160.73	60	7,494	188.71	37	176	124.11
The State.....	1,018	62,283	171.95	419	58,851	189.60	599	3,432	160.31

The showing is for all mines, also shipping and local mines, separately. Considering the shipping mines, where 94.5 per cent of the men are employed, it will be seen that the days of activity ranged from 175.24 in the seventh district to 205.38 in the first; bringing the average of these mines to 189.6 days for the State. The average for the State last year was 198.5 days; this shows a decline of only nine days. In view of the almost complete suspension of operations during the months of April and May, this inconsiderable decline can be accounted for by the unquestionable increased activity prevailing at all of the mines during the five or six months just previous to the first of April.

The following table presents the record, as to days of operation, of the three different classifications of the mines for the past 14 years:

TABLE 45—*Days of Active Operation, for a Series of 14 Years.*

YEAR.	MINES, MEN AND AVERAGE WORKING DAYS.								
	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
1893.....	788	35,390	229.6	310	28,737	229.6	478	6,653	161
1894.....	836	38,477	183.1	319	31,243	183.1	517	7,234	157
1895.....	874	38,630	182.2	319	31,174	182.2	555	7,456	155
1896.....	901	37,032	186.0	330	28,185	186.0	571	8,847	159
1897.....	853	33,788	185.5	310	31,322	185.5	543	2,466	167.1
1898.....	881	35,026	156.8	329	32,297	174.7	552	2,729	156.8
1899.....	889	36,991	174.6	323	34,307	205.7	566	2,684	175
1900.....	920	39,384	182.6	323	36,298	214.0	597	3,084	166.4
1901.....	915	44,143	174.3	331	40,940	204.4	584	3,217	157
1902.....	915	46,005	179.5	332	42,807	210.2	583	3,198	161.9
1903.....	933	49,814	192.1	353	46,494	221.8	580	3,320	170.7
1904.....	932	54,774	197.9	380	51,384	213.3	552	3,390	184.9
1905.....	990	59,230	173.7	397	55,743	198.5	593	3,487	158
1906.....	1,018	62,283	172.0	419	58,851	189.6	599	3,432	160.3

Observing only the shipping mines, it will be seen that for five years from 1893 to 1899, the industry declined in activity from an average of 229.6 days to 174.7 for 1898. The six years following, the increase in days of operation was from 12 to 27 per cent, when in 1905 a marked decline is shown, followed by the further reduction for this year. Reference to the days of efficiency of each of the individual mines may be found in the county and district tables in the reports of the several inspectors.

AVERAGE VALUE OF COAL.

The average value of the different grades of coal per ton at the mines is found by dividing the aggregate amount of the sales of each grade by the tons sold. This average, reported by the operators, is applied to the total tons sold, and by proper and continuous application the averages of each grade are found for the counties, the districts and finally for the State. By reference to the county tables, in the reports of the inspectors, may be found the average values at each mine.

The following tables give the total tons of each grade and the average value per ton of the different

TABLE 46—*Total Tons and Average Value per Ton of the Different*

DISTRICT.	ALL GRADES.		MINE-RUN COAL.		LUMP COAL.	
	Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.
First	2,843,504	\$1.412	271,570	\$1.526	1,582,096	\$1.642
Second	2,067,227	1.401	165,762	1.414	1,487,798	1.604
Third	1,675,654	1.29	428,920	1.222	870,967	1.591
Fourth	1,843,298	1.153	289,146	1.196	767,083	1.478
Fifth	2,128,332	1.021	1,516,259	0.991	373,024	1.313
Sixth	5,097,776	0.975	1,410,178	0.966	2,247,470	1.221
Seventh	4,815,953	0.982	875,391	0.959	2,587,111	1.189
Eighth	7,189,785	0.866	1,633,064	0.846	3,627,834	1.07
Ninth	4,110,043	0.997	1,868,010	0.954	1,377,735	1.155
Tenth	5,331,244	0.934	1,477,316	0.926	1,224,557	1.284
Shipping mines	37,122,811	\$1.029	9,435,616	\$0.963	16,145,615	\$1.292
Local mines	1,194,770	\$1.56	342,289	1.441	732,473	\$1.739

* Based on 1,064,857 tons.

For the shipping mines the average value of mine run coal per ton values range from \$1.526 in the first to 84.6 cents in the eighth, a difference of the State, varying from \$1.642 in the first district to \$1.07 in the eighth; the value per ton of the two grades of coal are both in favor of the

The total tons of all grades of coal with the average values per ton

TABLE 47—*Total Tons and Average Value per Ton of the Different*

YEARS AND CHARACTER OF MINES.	ALL GRADES.		MINE-RUN COAL.		LUMP COAL.	
	Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.
1900—All mines	25,153,929	\$0.895	5,554,418	\$0.794	13,927,899	\$1.10
1901—All mines	26,635,319	0.954	6,882,740	0.919	13,321,124	1.181
1902 { Shipping	28,824,750	0.942	6,752,680	0.90	14,198,500	1.173
Local	1,196,550	1.38	233,524	1.174	843,173	1.542
1903 { Shipping	33,676,537	1.032	9,897,087	0.962	15,169,856	1.275
Local	1,278,863	1.521	476,011	1.405	704,653	1.713
1904 { Shipping	35,779,517	1.063	10,269,285	1.019	16,097,003	1.388
Local	1,298,380	1.577	358,619	1.363	791,007	1.826
1905 { Shipping	35,956,543	1.021	8,784,202	1.032	16,097,774	1.274
Local	1,226,831	1.612	464,356	1.627	721,547	1.657
1906 { Shipping	37,122,811	1.029	9,435,616	0.963	16,145,615	1.292
Local	1,194,770	1.56	342,289	1.441	732,473	1.739

age value per ton by districts :

Grades of Coal at the Shipping and Local Mines, by Districts—1906.

EGG COAL.		NUT COAL.		PEA COAL.		SLACK COAL.	
Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.
272,527	\$1.086	90,336	\$1.223	506,508	\$0.60	60,480	.....
7,716	1.70	5,302	1.367	359,581	0.673	61,118	\$0.708
38,970	1.63	49,656	1.090	241,788	0.487	45,853	0.369
268,117	1.333	64,626	1.142	369,698	0.497	84,673	0.373
45,356	1.144	59,796	1.065	129,085	0.548	4,802	0.564
136,701	1.048	190,528	0.998	918,156	0.514	194,743	0.329
74,771	1.236	234,861	1.06	935,476	0.468	108,343	0.31
202,969	1.11	263,589	0.76	1,270,080	0.392	192,399	0.157
257,407	1.141	279,115	0.994	694,265	0.479	133,511	0.144
545,893	1.219	674,252	0.976	1,052,400	0.571	356,826	0.358
1,850,327	\$1.278	1,912,063	\$0.991	6,536,942	\$0.504	1,242,248	* \$0.318
100	\$1.00	19,925	\$1.063	85,145	\$0.819	14,838	\$0.392

for the State, the past year, is found to be 98.3 cents; by districts the difference of 68 cents. For lump coal the value was \$1.292 per ton, for here is found a difference of 57 cents. These remarkable differences in northern field.

for a series of seven years is shown in the following tables:

Grades of Coal at the Mines, both Shipping and Local, for Seven Years.

EGG COAL.		NUT COAL.		PEA COAL.		SLACK COAL.	
Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.	Total tons.	Average value per ton.
495,637	\$0.94	1,323,582	\$0.695	2,811,520	\$0.418	1,040,874	\$0.221
496,596	1.086	1,217,127	0.808	3,667,591	0.436	1,060,141	0.269
677,079	1.022	1,562,659	0.764	4,542,277	0.471	1,091,055	0.228
3,906	1.478	23,797	1.10	61,455	0.576	30,695	0.322
992,378	1.269	1,741,393	0.946	4,478,396	0.527	1,397,437	0.307
2,785	1.577	14,311	1.089	62,045	0.704	19,058	0.272
1,008,672	1.398	1,581,222	1.044	5,650,639	0.56	1,172,696	0.331
6,028	1.718	21,161	1.442	100,931	0.647	20,634	0.429
1,716,111	1.237	2,028,346	0.864	6,219,756	0.479	1,110,354	0.301
108	1.315	7,806	0.984	27,755	0.633	5,259	0.243
1,850,327	1.278	1,912,063	0.991	6,536,942	0.504	1,242,248	0.318
100	1.00	19,925	1.063	85,145	0.819	14,838	0.392

For the two years, 1900 and 1901, there was no division or separation made of the tonnage of shipping and local mines, therefore the values given for those two years are for the tonnage of all mines. Directing attention to the values for the past five years for shipping mines, it is found that for mine run coal the highest average, \$1.032, was reached in 1905, the lowest, 90 cents, being for the year 1902; for lump coal the highest value, \$1.388, is shown for 1904, the lowest, \$1.173, for 1902; this grade of coal for the past year shows a larger tonnage than for several years. The grade known as egg coal has increased in tonnage from 495,637 in 1900 to 1,850,327 this year, or 273.32 per cent. The value per ton the past year was \$1.278, being only 1.4 cents less than lump coal.

The total tons and average value per ton of lump coal has been shown each year for the past 25 years, and is again presented in the following table:

TABLE 48—*Average Value of Lump Coal per Ton at the Mine, for a Series of 25 Years, 1882-1906.*

Year.	Tons of lump coal produced.	Average value per ton.	Year.	Tons of lump coal produced.	Average value per ton.
1882.....	9, 115, 653	\$1.51	1895.....	14, 045, 962	\$0.932
1883.....	10, 030, 991	1.48	1896.....	13, 990, 924	0.899
1884.....	10, 101, 005	1.26	1897.....	14, 672, 241	0.852
1885.....	9, 791, 874	1.17	1898.....	14, 208, 795	0.918
1886.....	9, 246, 435	1.10	1899.....	16, 008, 109	0.9186
1887.....	10, 278, 890	1.065	1900.....	13, 927, 899	1.099
1888.....	11, 855, 188	1.123	1901.....	13, 321, 124	1.181
1889.....	11, 597, 963	1.078	1902.....	*14, 198, 500	1.173
1890.....	12, 638, 364	1.019	1903.....	*15, 169, 856	1.275
1891.....	12, 900, 224	1.008	1904.....	*16, 097, 003	1.388
1892.....	14, 730, 963	1.029	1905.....	*16, 097, 774	1.274
1893.....	16, 112, 899	1.025	1906.....	*16, 145, 615	1.292
1894.....	13, 865, 284	1.009			

*Shipping mines.

The several grades of coal, the output of shipping mines, is shown in percentages in the following table for five years:

TABLE 49—*Percentages of the Different Grades of Coal of Shipping Mines for Five Years.*

YEAR.	PERCENTAGES OF—					
	Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.
1902.....	23.43	49.23	2.35	5.45	15.76	3.78
1903.....	29.39	45.05	2.95	5.17	13.29	4.15
1904.....	28.66	45.55	2.74	4.32	15.51	3.22
1905.....	24.43	44.77	4.77	5.64	17.30	3.09
1906.....	25.42	43.49	4.98	5.15	17.61	3.35

MINE EMPLOYEES.

The number of employes classified as to location of occupation is shown in the following table by districts:

TABLE 50—*Classification of Employes in the Shipping Mines, by Districts, with the Employes of Local Mines.*

DISTRICTS.	ALL EMPLOYES UNDERGROUND.				Above ground.	Total.
	Miners.	Other employes.	Boys.	Total.		
First.....	4,838	1,181	206	6,225	543	6,768
Second.....	4,179	972	108	5,259	404	5,663
Third.....	2,225	466	80	2,771	286	3,057
Fourth.....	2,342	604	24	2,970	291	3,261
Fifth.....	2,482	834	116	3,432	251	3,683
Sixth.....	5,211	1,528	203	6,942	704	7,646
Seventh.....	4,365	1,348	216	5,929	692	6,621
Eighth.....	5,586	1,701	192	7,479	855	8,334
Ninth.....	4,127	1,164	150	5,441	883	6,324
Tenth.....	4,779	1,526	199	6,504	990	7,494
Total.....	40,134	11,324	1,494	52,952	5,899	58,851
Local mines.....	2,786	281	5	3,072	360	3,432
The State.....	42,920	11,605	1,499	56,024	6,259	62,283

The whole number is shown to be 62,283; this is an increase of 5 per cent over last year. Of the total number employed, 94.5 per cent work

in the shipping mines. Comparing the number of employ  s at the shipping mines by location, as to the coal field, it is found that the northern field, comprising the first, second, third and fourth districts, gave employment to 31.86 per cent of the whole number; the central field, or the fifth, sixth and seventh districts, 30.5 per cent; and the southern field, or the eighth, ninth and tenth districts, 37.64 per cent.

This grouping of the whole number of employ  s for each year, divided as to location of employment in and about the mines, is shown for a series of eight years, in the following table:

TABLE 51—*Classification of Employ  s in all Mines for Eight Years.*

YEAR.	ALL EMPLOY��S UNDERGROUND.				Above ground.	Aggregate.
	Miners.	Other employ��s.	Boys.	Total.		
1899.....	26,449	5,455	1,296	33,199	3,792	36,991
1900.....	27,875	6,047	1,281	35,203	4,181	39,384
1901.....	30,829	7,596	1,326	39,750	4,393	44,143
1902.....	32,875	7,273	1,397	41,518	4,487	46,005
1903.....	34,904	8,523	1,276	44,703	5,111	49,814
1904.....	37,987	9,812	1,562	49,361	5,413	54,774
1905.....	41,202	10,694	1,540	53,436	5,794	59,230
1906.....	42,920	11,605	1,499	56,024	6,259	62,283

To illustrate the rapid growth in the employment of laborers in the coal mines of the State, it is here shown that the number of miners proper has increased during these years 16,471 or 62.27 per cent; the number of other employ  s under ground from 5,455 in 1899 to 11,605 this year, an increase of 6,150 or 112.75 per cent. In contradistinction the number of boys employed, as reported this year, is less than for either of the two previous years; the increase in the employment of boys during the eight years has been only 15.75 per cent.

In order to preserve a condensed record of the number of employes, by districts, as the State is now and has been divided, the following table presents the totals for 24 years:

TABLE 52—*Employes in Coal Mines of the State for a Series of Twenty-four Years, by Districts.*

YEARS.	DISTRICTS.										The State.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	
1883	7,566	3,211	4,070	4,417	4,675						23,939
1884	8,013	3,616	5,018	4,781	4,147						25,575
1885	7,463	3,391	5,213	4,959	4,429						25,446
1886	7,613	3,599	4,870	5,197	4,567						25,846
1887	7,915	4,068	4,903	4,934	4,984						26,804
1888	8,623	4,914	5,250	5,086	5,537						29,410
1889	9,014	4,498	5,117	5,679	5,764						30,076
1890	8,258	4,099	5,171	5,685	5,361						28,574
1891	9,128	5,089	6,458	5,881	6,395						32,951
1892	9,572	4,865	6,453	6,542	6,200						33,632
1893	8,831	5,974	6,964	7,021	6,780						35,390
1894	10,280	6,713	7,112	7,760	6,621						38,477
1895	9,644	7,184	6,607	8,005	7,190						38,630
1896	9,380	7,103	2,134	4,467	5,758	4,374	3,816				37,032
1897	7,632	6,872	1,635	4,021	5,672	4,100	3,856				33,788
1898	7,377	6,799	1,800	4,030	6,093	4,662	4,265				35,026
1899	7,498	6,631	1,799	4,655	6,401	5,008	4,999				36,991
1900	7,722	5,693	3,864	5,545	5,983	5,885	4,692				39,384
1901	7,872	6,306	3,760	6,950	6,837	6,871	5,547				44,143
1902	8,035	6,583	4,268	5,679	7,564	7,929	5,947				46,005
1903	7,717	6,860	4,363	6,771	8,393	8,354	7,356				49,814
1904	8,038	7,362	4,808	7,293	9,541	9,665	8,067				54,774
1905	8,157	7,761	5,397	7,441	10,175	10,636	9,663				59,230
1906	7,091	6,293	3,623	3,845	3,997	7,856	6,895	8,633	6,380	7,670	62,283

Previous to the year 1897 the greatest number employed at any one time during each year has been returned; since that year the average number employed has been reported; this accounts for the falling off in number to be noticed in 1897. Since that year a gradual increase is noted; for the ten years last past, the increase in the number employed has been 28,495 or 84.33 per cent.

PRICES PAID FOR MINING.

In computing the prices paid for mining during the past year, the agreed scale of prices, between the miners and operators, ending April 1, 1906, has been used for the entire tonnage of output for the twelve months covered by this report, as substantially the total product of the mines was mined under the contract expiring March 31, 1906, and during the nine months ending the same date. The following table presents the record for the year by districts:

TABLE 53—*Average Price Paid for Mining by Hand and with Machine, at Shipping and Local Mines, by Districts—1906.*

DISTRICTS.	MINING BY HAND.				MACHINE MINING.	
	SHIPPING MINES.		LOCAL MINES.		Tons.	Price per ton.
	Tons.	Price per ton.	Tons.	Price per ton.		
First	2,843,504	\$0.7843	92,826	\$1.0834	.....	.....
Second	2,087,227	0.7454	224,267	0.9478	.....	.....
Third	1,662,709	0.6784	193,369	0.6773	12,945	\$0.79
Fourth	1,843,293	0.6066	183,090	0.8167	.....	.....
Fifth	*1,893,296	0.5315	†154,696	0.5691	226,046	0.4913
Sixth	4,617,063	0.5254	62,831	0.6118	480,713	0.45
Seventh	1,856,917	0.5305	55,240	1.1688	2,965,935	0.45
Eighth	3,499,115	0.52	140,308	0.5702	3,700,670	0.45
Ninth	2,912,741	0.4962	22,596	0.5956	1,197,302	0.414
Tenth	4,360,625	0.4593	58,658	0.5772	970,619	0.396
The State	27,566,480	\$0.5792	1,197,871	\$0.7615	9,563,220	\$0.442

* 25,500 tons paid for by the day.

† 6,400 tons paid for by the day.

‡ This includes loading, brushing, etc.

The total output of coal mined by hand in both the shipping and local mines was 28,754,351 tons; of this quantity 27,566,480 tons or 95.87 per cent is the product of the shipping mines, and was paid for at the level rate for the State of 57.02 cents per ton; this rate is derived from rates ranging from 45.83 cents in the tenth district to 78.43 in the first. Referring to the Bureau's report for the year 1898, it is found that the rate for hand mining for the State was 44.09 cents per ton; that year this rate was based on 78.27 per cent of the total output of the State. The difference between the price paid in 1898 and for the past year is 12.93 cents. Machine mining this year shows 44.22 cents as the rate for the State, with the largest tonnage cut ever reported for any year; the price for the State in 1898 was 31.37 cents, with about one-third of the tons of the past year. The cutting of coal by machines the past year prevailed largely in the seventh, eighth and ninth districts, 82.23 per cent of the total tons cut was reported from these districts.

The record of the average prices paid for both hand and machine mining, with the total tons for the past six years, is shown in the following table:

TABLE 54—*Total Tonnage and Average Prices Paid for Hand and Machine Mining for a Series of Six Years—1901-1906.*

YEARS.	HAND MINING.		MACHINE MINING.	
	Tons.	Price per ton.	Tons.	Price per ton.
1901.....	20,172,779	\$0.564	5,774,639	\$0.412
1902.....	22,186,812	0.564	6,647,066	0.395
1903.....	26,042,014	0.57	7,646,777	0.434
1904.....	28,648,682	0.593	7,130,835	0.466
1905.....	27,762,968	0.578	8,193,575	0.443
1906.....	27,566,480	0.57	9,563,230	0.442

These figures represent shipping mines only.

PAYMENT OF WAGES.

Semi-monthly payments of wages, to coal mine employés, has now become almost universal in this State. The following table presents the statistics for the year:

TABLE 55—*Frequency of the Payment of Wages at Shipping and Local Mines, by Districts—1906.*

DISTRICT.	PAYMENTS MADE.								
	WEEKLY.			SEMI-MONTHLY.			MONTHLY.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....				34	6,768	2,843,504			
Second.....	2	22	7,420	19	5,612	2,068,727	1	29	11,080
Third.....				29	3,057	1,675,654			
Fourth.....	1	12	8,400	32	3,249	1,834,893			
Fifth.....				26	3,683	2,128,332			
Sixth.....				49	7,646	5,097,776			
Seventh.....				36	6,621	4,815,953			
Eighth.....				78	8,334	7,189,785			
Ninth.....				52	6,324	4,110,043			
Tenth.....				60	7,494	5,331,244			
Shipping mines..	3	34	15,820	415	58,788	37,095,911	1	29	11,080
Local mines.....	232	1,079	318,218	366	2,315	861,177	1	38	15,375
The State.....	235	1,113	334,038	781	61,103	37,957,088	2	67	26,455

About 98 per cent of all employés in and around the coal mines of the State received their wages twice a month the past year. At the shipping mines, practically the entire force of employés were paid semi-monthly.

The following table presents the percentages of all mines, men and tons, arranged according to the frequency of the payments of wages, for a series of 14 years:

TABLE 56—*Percentages of Mines, Men and Tons in Reference to Payment of Wages for a Series of Fourteen Years.*

YEAR.	WAGES PAID WEEKLY.			WAGES PAID SEMI-MONTHLY.			WAGES PAID MONTHLY.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	67	27.6	26.2	25	56	56.4	8	16.4	23.4
1894.....	43	11.7	9.7	46	66.6	67.2	11	21.7	23
1895.....	31	6.5	4.2	57	78.3	74.4	12	1.52	21.4
1896.....	49	7.8	5.3	37.5	74.6	12	12	17.6	21.2
1897.....	46.78	6.91	4.34	39.04	74.60	73.71	14.18	18.4	21.9
1898.....	32.23	5.36	4.99	62.32	90.25	89.78	5.45	4.38	5.23
1899.....	24.75	4.67	3.04	71.54	93.02	95.75	3.71	2.31	2.21
1900.....	33	4.12	2.57	64.8	95.04	96.84	2.2	.48	.59
1901.....	28.85	2.79	1.44	70.60	97.03	98.44	.55	.18	.12
1902.....	47	4.55	1.84	52.13	95.12	98.06	.87	.33	.1
1903.....	27.76	2.63	1.10	71.70	97.14	98.78	.54	.23	.12
1904.....	34.22	3.23	1.86	65.35	96.65	98.07	.43	.12	.07
1905.....	21.72	1.85	.82	78.08	98.03	99.11	.20	.12	.07
1906.....	23.08	1.79	.87	76.72	98.10	99.06	.20	.11	.07

EARNINGS OF MINERS.

For several years the earnings of coal miners as a class have been presented in these reports; these computations are based on the tons of shipping mines where coal is mined exclusively by hand and paid for by the ton.

Following table presents the figures for the year by districts, and for the previous years:

—*Earnings of Coal Miners, Hand Mining, in Shipping Mines for the Year Ended June 30, 1906, by Districts.*

Districts.	Number of miners.	Average days worked.	Total tons mined.	Average rate per ton.	Gross earnings.	Average tons per man per year.	Average earnings per man per year.	Average tons per man per day.	Average earnings per man per day.
.....	4,838	205.38	2,843,504	\$0.7843	\$2,230,160	587.74	\$460.97	2.86	\$2.24
.....	4,179	201.09	2,087,227	0.7454	1,555,819	499.46	372.29	2.48	1.85
.....	2,192	205.03	1,662,709	0.6784	1,127,982	758.54	514.59	3.70	2.51
.....	2,342	191.93	1,843,293	0.6088	1,122,197	787.06	479.16	4.10	2.50
.....	1,696	192.90	1,341,441	0.5315	712,976	849.91	420.39	4.41	2.18
.....	4,746	180.97	4,612,617	0.5254	2,423,468	971.90	512.74	5.37	2.83
.....	1,867	175.24	1,763,554	0.5305	935,465	944.59	501.05	5.39	2.86
.....	2,838	187.35	3,419,314	0.52	1,778,043	1,204.83	628.51	6.43	3.34
.....	2,898	182.75	2,654,282	0.4982	1,322,363	915.90	456.30	5.01	2.50
.....	3,146	188.71	3,401,004	0.4583	1,558,680	1,081.06	495.45	5.20	2.63
.....	30,742	189.60	25,628,945	\$0.5702	\$14,767,153	833.68	\$480.36	4.40	\$2.54
.....	31,185	198.49	26,566,481	\$0.5782	\$15,353,039	851.90	\$492.32	4.29	\$2.48
.....	28,717	213.3	27,091,501	0.5989	16,233,869	943.39	565.30	4.42	2.65
.....	25,878	224.1	24,455,228	0.5699	14,043,280	944.63	542.67	4.22	2.42
.....	24,229	209.8	20,616,155	0.5645	11,638,120	850.88	480.34	4.06	2.29
.....	22,206	203.0	18,227,130	0.5690	10,372,670	821.00	467.11	4.04	2.30

MACHINE MINING.

Machine mining for the past year is shown in the following table by districts:

TABLE 58—*Machine Mining—Mines, Men, Machines, Tons, by Districts—1906.*

DISTRICTS.	MINES IN WHICH MACHINES ARE USED—									
	EXCLUSIVELY.				IN PART.			TOTAL.		
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
Third.....	1	33	3	12,945				1	3	12,945
Fifth.....	1	90	12	74,388	4	39	169,738	5	51	235,046
Sixth.....	1	265	12	244,008	2	15	236,704	3	27	480,712
Seventh.....	19	2,255	269	2,810,408	2	17	155,475	21	286	2,965,885
Eighth.....	23	2,140	237	2,869,256	7	84	831,414	30	321	3,700,670
Ninth.....	7	912	101	1,009,876	4	28	98,436	11	129	1,197,312
Tenth.....	5	442	51	536,682	9	94	441,937	14	145	978,619
The State.....	57	6,137	695	7,009,536	28	277	1,924,094	85	962	9,563,230

No machine mining was reported from the first, second and fourth districts. Of the mines using machines exclusively in producing the output 42 or 73.7 per cent are located in the seventh and eighth districts; employing 71.61 per cent of the men, and 73.87 per cent of the machines, producing 74.35 per cent of the tons.

The record of the use of machines in the coal mines of the State is presented for a series of seven years in the following table:

TABLE 59—*Machine Mining—Mines, Men, Machines, Tons, for Seven Years.*

MINES IN WHICH MACHINES ARE USED.										
YEAR.	EXCLUSIVELY.				IN PART.			TOTAL.		
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
1900.....	32	2,638	373	3,765,001	39	158	1,817,993	67	430	5,583,594
1901.....	39	2,496	366	3,761,379	34	184	2,015,369	63	464	5,776,699
1902.....	34	4,811	366	4,469,035	39	156	2,037,009	64	464	6,497,128
1903.....	23	4,378	392	4,392,052	35	239	3,252,725	68	522	7,644,777
1904.....	40	2,691	406	4,902,184	27	293	2,237,343	67	623	7,140,437
1905.....	52	4,635	549	6,466,571	34	224	1,735,485	76	784	8,202,056
1906.....	57	6,137	695	7,009,536	28	277	1,924,094	85	962	9,563,230

The kinds of machines in use during the past year is shown in the following table, by districts:

TABLE 60—*Name and Number of Mining Machines in Use, by Districts—1906.*

Districts.	Sullivan.	Harrison.	Igersoll-Sergeant.	Goodman.	Herzler and Henninger.	Jeffrey.	Morgan-Gardner.	Yock.	Lee.	Total.
Third.....									3	3
Fifth.....	21	30								51
Sixth.....				13		3	11			27
Seventh.....	80	118	58	17			12	1		286
Eighth.....	108	52	83	19	34	18	1	6		321
Ninth.....	21	14	36	30	1	5	4	18		129
Tenth.....	85	30	20	3		7				145
The State.....	315	244	197	82	35	33	28	25	3	963

The Sullivan machine outnumbers all others in this respect, displacing the Harrison machine, for the first time in the record of mining machines in this State.

The name and number of machines in use in mines for a series of seven years is shown in the following table:

TABLE 61—*Name and Number of Mining Machines in Use for Six Years.*

	Sullivan.	Harrison.	Igersoll-Sergeant.	Goodman.	Herzler & Henninger.	Jeffrey.	Morgan-Gardner.	Yock.	Lee.	Link Belt.	Butler	Total.
1900.....	40	197	119		1	30	19	5		19		430
1901.....	33	178	132		13	33	32	24		19		464
1902.....	36	160	133	29	20	32	22	28		3	2	465
1903.....	82	178	95	15	33	50	16	31		21	2	522
1904.....	131	210	142	29	22	29	27	27		4	2	623
1905.....	183	236	178	49	40	41	19	33		4	1	784
1906.....	315	244	197	82	35	33	28	25	3			962

The total number of machines reported in use the past year is 962; this is 178 more than last year, and 532 more than reported for the year 1900. One new machine, the Lee, appears in the list this year, and is reported in use at a mine of the Third Vein Coal Company, at Mapleton, Peoria county; this mine has a seam of coal 4 feet 6 inches.

Following is a list of 57 mines with location, in which machines are used exclusively, giving the number and names of machines, and the tons undercut:

TABLE 62—*Mines in which Machines are Used Exclusively.*

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
1	Superior Coal Co., No. 1	Gillespie	35	Ingersoll-Sergeant	490, 250
2	Superior Coal Co., No. 2	do	37	Sullivan	457, 863
3	Mt. Olive & Staunton Coal Co., No. 2	Staunton	8	6 Goodman	349, 455
4	Mt. Olive & Staunton Coal Co., No. 1	do	9	2 Jeffrey	324, 232
5	Donk Bros. Coal & Coke Co., No. 2	Maryville	30	3 Sullivan	284, 235
6	Willis Coal & Mining Co	Willisville	11	6 Goodman	272, 755
7	St. Louis & O'Fallon Coal Co., No. 2	East St. Louis	15	5 Sullivan	251, 515
8	Consolidated Coal Co., No. 15	Mt. Olive	22	16 Sullivan	244, 750
9	Chicago, Wil. & Vermilion Coal Co.	Thayer	12	6 Harrison	244, 000
10	Zeigler Coal Co.	Zeigler	12	11 Morgan-Gardner	239, 654
11	Illinois Collieries Co., No. 1	Viriden	12	1 Goodman	234, 922
12	Lumaghi Coal Co., No. 2	Collinsville	11	5 Ingersoll-Sergeant	218, 414
13	Consolidated Coal Co., No. 17	do	27	Sullivan	212, 636
14	Consolidated Coal Co., No. 14	Staunton	19	Harrison	206, 948
15	Trenton Coal Co.	Trenton	18	Sullivan	193, 156
16	New Staunton Coal Co.	Livingston	22	Ingersoll-Sergeant	185, 690
17	Midland Coal Co., No. 5	Mt. Olive	4	Goodman	184, 407
18	Consolidated Coal Co., No. 8	do	17	Ingersoll-Sergeant	182, 937
19	Big Muddy Coal & Iron Co., No. 8	Clifford	19	Harrison	180, 490
20	Consolidated Coal Co., No. 10	Mt. Olive	16	Sullivan	172, 897
21	Hillsboro Coal Co.	Hillsboro	19	18 Harrison	172, 532
22	Cartersville Dist. Coal Co., No. 1	Marion	7	1 Yock	168, 978
23	Consolidated Coal Co., No. 6	Staunton	7	Morgan-Gardner	155, 415
24	Superior Coal & Mining Co	Belleville	12	Sullivan	148, 909
25	Southern Coal Co	New Baden	25	Herzler & Henninger	125, 435
26	Odin Coal Co	Odin	8	3 Ingersoll-Sergeant	121, 653
				2 Sullivan	
				1 Harrison	
				1 Herzler & Henninger	
				4 Goodman	
				4 Jeffrey	

Table 62—Concluded.

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
27	Big Muddy Coal & Iron Co.....	Murphysboro	14	Harrison	120, 313
28	Consolidated Coal Co., No. 7.....	Staunton.....	21	..do.....	107, 602
29	Dering Coal Co.....	W. Frankfort.	20	{ 11 Harrison	102, 419
				{ 5 Ingersoll-Sergeant.....	
				{ 3 Sullivan.....	
				{ 1 Jeffrey	
30	Southern Coal & Mining Co., No. 1.	Belleville	11	{ 7 Sullivan	101, 907
				{ 4 Herzler & Henninger	
31	Lumaghi Coal Co., No. 3.....	Collinsville ...	11	Sullivan	89, 736
32	Southern Coal & Mining Co., No. 2.	Belleville	6	Herzler & Henninger	87, 362
33	Consolidated Coal Co., Green Mt. ...	Collinsville ...	8	Harrison	77, 731
34	Southern Coal & Mining Co., No. 8.	Belleville	7	{ 5 Jeffrey	77, 474
				{ 1 Goodman	
35	Consolidated Coal Co., Heinz Bluff.	Collinsville ...	10	{ 1 Morgan-Gardner	77, 468
				{ Harrison	
36	Manufacturers & Consumers' C. Co.	Decatur	12	..do.....	74, 308
37	Superior Coal Co., No. 3.....	Gillespie.....	6	{ 3 Ingersoll-Sergeant.....	66, 534
				{ 3 Sullivan	
38	Breeze-Trenton Coal Co.....	Trenton	13	Ingersoll-Sergeant	65, 840
39	Consolidated Coal Co., Abby No. 3.	Collinsville ...	10	Harrison	64, 424
40	Gus Blair Big Muddy Coal Co	Murphysboro ..	6	Ingersoll-Sergeant	54, 812
				{ 2 Herzler & Henninger	
41	Hippard Coal Co	Belleville	6	{ 2 Sullivan	50, 168
				{ 2 Harrison	
42	Kortkamp Coal Co	Hillsboro	4	Goodman	48, 230
43	Southern Coal & Mining Co., No. 4.	Belleville	6	Herzler & Henninger	47, 084
44	Illinois Fuel Co	Sparta	3	Goodman	44, 798
45	Glendale Coal & Mining Co	Belleville	4	Herzler & Henninger	44, 500
46	Kerns-Doniewald Coal Co.....	Worden	7	{ 5 Jeffrey	41, 852
				{ 2 Goodman	
47	Consolidated Coal Co.....	Gillespie	12	Harrison	32, 101
48	Interstate Coal Co	Worden	6	Ingersoll-Sergeant	29, 710
49	International Coal & Mining Co	O'Fallon	6	Yock	22, 104
50	Stonington Coal Co	Stonington ...	2	Goodman	21, 476
51	Shoal Creek Coal Co.....	Panama.....	5	Sullivan	18, 077
52	Johnson Coal Co., Gartside.....	Belleville	3	Harrison	17, 080
53	Consolidated Coal Co.....	Hornsby	11	..do.....	16, 812
54	Third Vein Coal Co	Mapleton	3	Lee.....	12, 945
55	Wm. Neil & Co	Bunker Hill ..	1	Harrison	5, 248
56	Schmidgall Coal Co	Murphysboro ..	3	..do.....	4, 120
57	Peabody Coal Co	Nokomis	1	Sullivan	1, 651
			685		7, 638, 536

From the foregoing table a list of the mining machines is arranged as to the number of machines, with the number of mines, men, days in operation and tons produced. Eight of the machines are reported as being operated exclusively at 42 of the 57 mines shown in table 62; in the other 15 mines from two to five different machines are in use jointly.

TABLE 63.—*Machine Mining Exclusively—Name and Number of Machines, Number of Mines, Men, Days and Tons.*

NAMES OF MACHINES.	Different machines.	NUMBER OF—				
		Machines.	Mines.	Men.	Days.	Tons.
Sullivan	172	10	2,082	184	1,877	756
Harrison	169	14	1,752	171	1,149	125
Ingersoll-Sergeant	102	6	1,169	215	1,069	194
Herzler & Henninger	29	4	312	175	327	855
Goodman	24	5	813	170	524	826
Morgan-Gardner	7	1	181	199	172	512
Yock	6	1	64	200	22	104
Lee	3	1	39	210	12	945
Harrison	1					
Herzler & Henninger	1					
Ingersoll-Sergeant	3					
Sullivan	2					
Yock	18	25	1	239	110	125,436
Goodman	12					
Jeffrey	11	23	3	616	166	512,965
Harrison	6					
Sullivan	16	22	1	242	223	244,759
Harrison	11					
Ingersoll-Sergeant	5					
Jeffrey	1					
Sullivan	3	20	1	119	239	102,419
Harrison	18					
Yock	1	19	1	202	162	172,827
Morgan-Gardner	11					
Goodman	1	12	1	413	135	244,000
Goodman	7					
Ingersoll-Sergeant	5	12	1	515	275	239,654
Goodman	6					

Table 63—Concluded.

NAMES OF MACHINES.	Different machines.	NUMBER OF—				
		Machines.	Mines.	Men.	Days.	Tons.
D.	5	11	1	237	289	272, 75 5
& Henninger.	4					
D.	7	11	1	115	147	101, 907
.....	6					
D.	3	9	1	306	206	324, 232
.....	1					
.....	5					
-Gardner.	1	7	1	89	158	77, 474
ll-Sergeant.	3					
D.	3	6	1	125	171	66, 534
D.	2					
& Henninger.	2					
D.	2	6	1	68	211	50, 168
als.		685	57	9, 756	184	7, 638, 536

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"The Great Unconquered West"

Date		Particulars	
No.	Date	Particulars	Amount
1	1947	Balance b/d	100.00
2		By Cash	50.00
3		To Cash	50.00
4		By Cash	25.00
5		To Cash	25.00
6		By Cash	75.00
7		To Cash	75.00
8		By Cash	100.00
9		To Cash	100.00
10		By Cash	150.00
11		To Cash	150.00
12		By Cash	200.00
13		To Cash	200.00
14		By Cash	250.00
15		To Cash	250.00
16		By Cash	300.00
17		To Cash	300.00
18		By Cash	350.00
19		To Cash	350.00
20		By Cash	400.00
21		To Cash	400.00
22		By Cash	450.00
23		To Cash	450.00
24		By Cash	500.00
25		To Cash	500.00
26		By Cash	550.00
27		To Cash	550.00
28		By Cash	600.00
29		To Cash	600.00
30		By Cash	650.00
31		To Cash	650.00
32		By Cash	700.00
33		To Cash	700.00
34		By Cash	750.00
35		To Cash	750.00
36		By Cash	800.00
37		To Cash	800.00
38		By Cash	850.00
39		To Cash	850.00
40		By Cash	900.00
41		To Cash	900.00
42		By Cash	950.00
43		To Cash	950.00
44		By Cash	1000.00
45		To Cash	1000.00
46		By Cash	1050.00
47		To Cash	1050.00
48		By Cash	1100.00
49		To Cash	1100.00
50		By Cash	1150.00
51		To Cash	1150.00
52		By Cash	1200.00
53		To Cash	1200.00
54		By Cash	1250.00
55		To Cash	1250.00
56		By Cash	1300.00
57		To Cash	1300.00
58		By Cash	1350.00
59		To Cash	1350.00
60		By Cash	1400.00
61		To Cash	1400.00
62		By Cash	1450.00
63		To Cash	1450.00
64		By Cash	1500.00
65		To Cash	1500.00
66		By Cash	1550.00
67		To Cash	1550.00
68		By Cash	1600.00
69		To Cash	1600.00
70		By Cash	1650.00
71		To Cash	1650.00
72		By Cash	1700.00
73		To Cash	1700.00
74		By Cash	1750.00
75		To Cash	1750.00
76		By Cash	1800.00
77		To Cash	1800.00
78		By Cash	1850.00
79		To Cash	1850.00
80		By Cash	1900.00
81		To Cash	1900.00
82		By Cash	1950.00
83		To Cash	1950.00
84		By Cash	2000.00
85		To Cash	2000.00
86		By Cash	2050.00
87		To Cash	2050.00
88		By Cash	2100.00
89		To Cash	2100.00
90		By Cash	2150.00

POWDER USED IN MINES.

The distribution of powder used in all mines of the State for blasting coal is presented by districts in the following table:

TABLE 65.—*Distribution of Powder Used in all Mines, by Districts.*

DISTRICTS.	POWDER USED IN BLASTING COAL.					
	Mines.	Men.	Kegs.	Tons of Coal.	Kegs per Man.	Tons per Keg.
.....	34	2,637	21,198	1,561,843	8.04	73.67
.....	54	943	37,295	719,152	39.55	19.28
.....	113	1,397	54,338	1,147,711	38.85	21.12
.....	96	2,351	94,116	1,836,598	40.03	19.51
.....	63	2,593	78,649	2,189,259	28.25	27.82
.....	62	5,310	215,082	5,144,369	40.51	23.92
.....	44	4,425	73,945	4,836,373	16.71	65.40
.....	102	5,721	161,798	7,303,513	28.28	45.14
.....	62	4,167	120,584	4,132,639	28.91	34.27
.....	97	4,908	170,378	5,389,902	34.71	31.57
State	727	34,452	1,027,373	34,260,359	29.82	33.25
.....	556	33,115	938,500	32,898,350	28.34	35.06
.....	591	29,924	923,418	32,336,448	30.86	35.02
.....	639	40,267	806,311	30,937,409	20.02	38.37
.....	657	36,559	637,448	25,556,523	17.40	40.01
.....	585	34,570	477,612	16,283,180	13.82	34.09
.....	621	29,667	490,713	19,979,219	16.50	40.71

Considering the shipping mines only, in which powder is used for blasting coal, the following table presents the results by districts:

TABLE 66—*Distribution of Powder in all Shipping Mines, by Districts.*

District.	Number of mines.	Number of miners.	Total number of tons	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
First	18	2,585	1,545,500	20,529	9.85	74.11
Second	13	760	986,321	21,529	48.23	19.65
Third	21	965	961,505	44,280	45.17	21.89
Fourth	30	2,267	1,811,700	95,446	36.23	26.55
Fifth	24	2,572	2,004,503	73,696	21.15	22.53
Sixth	49	5,211	5,007,776	213,683	40.68	23.82
Seventh	36	4,365	4,615,953	73,197	16.76	45.79
Eighth	75	5,886	7,189,785	157,698	36.21	45.61
Ninth	52	4,127	4,110,043	119,659	29.84	34.29
Tenth	60	4,779	5,081,244	193,321	35.80	31.89
Total	381	32,367	33,564,241	989,100	29.68	32.35

Here is the record of 381 mines that consumed 989,100 kegs of powder, 25 pounds each, or 96.27 per cent of the total amount consumed by all of the mines, during the year. The result shown for the State is 20.88 kegs per man and 33.87 tons per keg. Last year, for the same classification of mines, the showing was 28.61 kegs per man and 35.26 tons per keg.

For the purpose of showing the relative efficiency resulting from the employment of powder in mining coal, under the different processes of mining, as practiced in the different sections of the State, a series

of three tables are presented, all arranged by districts. These tables are all subsidiary of Table 67:

TABLE 67—*Consumption of Powder in Shipping Mines—Hand Mining Exclusively, by Districts.*

District.	Number of mines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
First	18	2,585	1,543,560	20,829	8.05	74.11
Second	13	740	608,221	31,919	43.13	19.06
Third	21	955	961,536	44,100	46.18	21.80
Fourth	30	2,267	1,811,760	86,446	38.13	20.96
Fifth	19	1,586	1,247,472	47,200	29.76	26.81
Sixth	47	4,746	4,612,617	208,064	43.84	22.17
Seventh	17	1,967	1,763,554	48,066	25.74	36.69
Eighth	48	2,838	3,419,314	119,165	41.99	28.69
Ninth	41	2,898	2,654,282	93,412	32.23	28.42
Tenth	46	3,146	3,404,004	120,907	38.43	28.41
Total	300	23,628	22,023,320	820,108	34.67	26.85
Percentages	78.74	71.63	65.73	82.91	.....	.....

TABLE 68—*Consumption of Powder in Shipping Mines—Machine Mining Exclusively, by Districts.*

District.	Number of mines.	Number of machines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
Fifth	1	12	90	74,309	600	6.67	122.18
Sixth	1	12	265	244,009	2,416	9.17	183.78
Seventh	17	267	2,239	2,803,561	18,342	8.14	152.85
Eighth	23	237	2,149	2,869,256	30,649	14.32	98.62
Ninth	7	101	912	1,096,876	16,514	18.11	66.54
Tenth	5	51	442	528,682	6,599	14.93	80.10
Total	54	680	6,088	7,618,692	75,120	12.34	101.42
Percentages	14.17	.....	18.46	22.74	7.60	.....	.....

TABLE 69—*Consumption of Powder in Shipping Mines—Hand and Machine Mining Combined, by Districts.*

District.	Number of mines.	Number of machines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
Fifth	4	39	696	712,583	26,066	37.47	27.31
Sixth	1	15	200	241,150	2,553	12.77	94.46
Seventh	2	17	259	248,838	6,789	26.21	36.33
Eighth	7	84	608	901,215	7,794	12.82	11.56
Ninth	4	28	317	356,885	9,933	31.33	35.33
Tenth	9	94	1,191	1,401,558	40,715	34.19	34.42
Total	27	277	3,271	3,862,229	93,872	28.70	41.04
Percentages	7.09	.....	9.91	11.53	9.49	.....	.....

The first of these tables (Table 67) deals only with the information as to the use of powder in mines where hand mining of coal obtains exclusively; the second (Table 68) gives the same facts regarding mines in which the process of mining is exclusively by machines; the third (Table 69) is the record of mines wherein the coal is mined both by hand and machine. The results reached by these three systems of mining, by means of which coal is brought down by the use of powder, are abridged and shown for the State in the following form, by percentages:

CHARACTER OF MINES AND PROCESS OF MINING.	PERCENTAGES OF—				Kegs per man.	Tons per keg.
	Mines.	Miners.	Tons.	Powder.		
Shipping mines—hand mining	78.74	71.63	65.73	82.91	34.67	26.85
Shipping mines—machine mining ...	14.17	18.46	22.74	7.60	12.34	101.42
Shipping mines—hand and machine mining	7.09	9.91	11.53	9.49	28.70	41.04

Here is shown that in the 381 shipping mines (Table 66) where powder was used, comparatively a very large number employ hand mining, and use a much larger quantity of powder, but did not produce proportionately a similar output of coal. The miners at the same mines consume more kegs of powder per man, but did not obtain an equal quantity of coal.

BLASTING DOWN COAL IN THE MINES.

The following table presents by districts the method applied in reducing the coal in mines where powder is used:

TABLE 70—*Method of Mining in Shipping Mines where Powder is Used for Blasting Down the Coal—1906*

DISTRICT.	BLASTED FROM THE SOLID.		UNDERCUT BEFORE BLASTING.		BOTH METHODS USED.		TOTALS.	
	Mines	Tons.	Mines	Tons.	Mines	Tons.	Mines	Tons.
First	18	1,456,316	2	204,878	14	1,182,310	34	2,643,504
Second	17	1,985,836	4	23,856	1	77,535	22	2,087,227
Third	3	427,475	19	947,696	.....	.....	22	1,375,170
Fourth	6	65,676	24	1,633,145	1	21,072	31	1,719,893
Fifth	3	108,277	8	910,092	14	1,034,463	25	2,102,832
Sixth	3	330,406	45	4,526,220	1	241,150	49	5,097,776
Seventh	18	2,964,351	16	1,760,054	2	91,548	36	4,815,953
Eighth	24	2,913,594	48	3,419,314	6	856,877	78	7,189,785
Ninth	7	1,008,876	40	2,647,796	5	363,371	52	4,110,043
Tenth	7	612,276	46	3,401,004	7	1,317,964	60	5,331,244
The State.	106	12,023,083	252	19,474,054	51	5,176,290	409	36,673,427

NOTE.—Ten mines producing 449,384 tons, not reported.

This gives a classification of the means used in producing the output of coal in 409 of the shipping mines, and is substantially the total product of all of this class of mines. It is found that 53.10 per cent is blasted from the solid; 32.78 per cent being undercut before blasting, and 14.12 per cent is produced by both the former methods.

SUMMARY OF ALL MINES.

The six tables immediately following are summaries of the reports of the ten State inspectors of mines, and present the totals of all the

leading particulars relating to the coal mining industry in each district and for the State:

TABLE 71—Summary by Districts—Shipping and Local Mines—Number of Counties and Production—1906.

DISTRICTS AND MINES.	Counties.	No. of mines.	Total tons of coal produced.	GRADED PRODUCT—TONS OF—					
				Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
First	4	72	2,936,330	298,143	1,635,844	272,527	90,338	578,998	60,480
Shipping	4	34	2,843,504	271,570	1,582,066	272,527	90,338	566,503	60,480
Local	2	38	92,826	26,573	53,758			12,495	
Second	6	142	2,311,494	167,292	1,689,190	7,716	5,302	380,877	61,118
Shipping	5	22	2,087,227	165,762	1,487,798	7,716	5,302	359,531	61,118
Local	6	120	224,267	1,530	201,391			21,346	
Third	6	129	1,869,023	496,627	969,251	38,970	51,595	245,962	46,618
Shipping	6	29	1,675,654	428,920	870,967	38,970	49,656	241,788	45,353
Local	4	100	193,369	67,707	118,284		1,939	4,174	1,265
Fourth	5	175	2,036,363	328,847	862,390	268,117	64,687	378,696	98,666
Shipping	5	33	1,843,293	269,146	767,633	268,117	64,626	369,696	94,676
Local	4	142	193,060	39,701	125,357		61	8,998	8,989
Fifth	3	66	2,263,018	1,560,324	458,589	45,356	59,796	154,141	4,802
Shipping	2	26	2,128,332	1,516,259	373,034	45,356	59,796	129,095	4,802
Local	2	40	154,686	44,065	85,575			25,046	
Sixth	6	83	5,160,607	1,437,204	2,273,820	136,701	199,783	918,156	194,943
Shipping	4	49	5,097,776	1,410,178	2,247,470	136,701	199,539	918,156	194,743
Local	5	34	62,831	27,026	26,350		9,255		200
Seventh	8	71	4,878,082	890,762	2,639,885	74,771	236,809	937,447	108,418
Shipping	4	36	4,815,953	875,391	2,587,111	74,771	234,961	935,476	108,343
Local	7	35	62,129	5,371	52,774		1,948	1,971	75
Eighth	3	121	7,330,093	1,751,244	3,642,921	292,869	266,119	1,270,530	196,410
Shipping	3	78	7,189,785	1,633,064	3,627,834	292,869	263,599	1,270,030	192,399
Local	2	43	140,308	118,180	15,087		2,520	500	4,011
Ninth	8	62	4,132,639	1,374,850	1,391,965	257,497	279,115	695,821	133,511
Shipping	8	52	4,110,043	1,368,010	1,377,735	257,497	279,115	694,265	133,511
Local	2	10	22,596	6,840	14,230			1,556	
Tenth	5	97	5,369,902	1,482,612	1,264,254	545,988	678,444	1,061,460	357,190
Shipping	4	60	5,351,244	1,477,316	1,224,557	545,988	674,252	1,062,400	358,626
Local	5	37	58,658	5,296	39,697	100	4,192	9,060	204
The State	54	1,018	38,317,581	9,777,905	16,878,068	1,859,427	1,932,989	6,022,097	1,267,668
Shipping	45	419	37,122,811	9,435,616	16,145,615	1,859,327	1,932,689	6,020,942	1,262,268
Local	41	590	1,194,770	342,289	732,453	100	20	9,000	200

TABLE 72—Summary by Districts—Aggregate Value of the Total Product at the Mines and of the Different Grades of Coal, per Ton—1906.

DISTRICTS AND MINES.	Aggregate value of total product.	AGGREGATE VALUE OF THE DIFFERENT GRADES OF COAL AT THE MINES.					
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
First.....	\$4, 117, 312	\$462, 469	\$2, 723, 261	\$459, 189	\$120, 441	\$351, 952	.....
Shipping.....	\$3, 931, 848	\$414, 323	\$2, 597, 662	\$459, 189	\$120, 441	\$340, 233	.....
Local.....	185, 464	48, 146	125, 599	.....	.....	11, 719	.....
Second.....	\$3, 318, 025	\$237, 015	\$2, 763, 586	\$13, 117	\$7, 250	\$254, 078	\$42, 979
Shipping.....	\$2, 926, 066	\$234, 414	\$2, 386, 462	\$13, 117	\$7, 250	\$241, 844	\$42, 979
Local.....	391, 959	2, 601	377, 124	.....	.....	12, 234	.....
Third.....	\$2, 458, 196	\$620, 328	\$1, 578, 923	\$63, 523	\$57, 486	\$120, 950	\$16, 986
Shipping.....	\$2, 161, 669	\$524, 117	\$1, 386, 033	\$63, 523	\$53, 608	\$117, 655	\$16, 733
Local.....	296, 527	96, 211	192, 890	.....	3, 878	3, 295	253
Fourth.....	\$2, 392, 317	\$397, 755	\$1, 335, 791	\$357, 515	\$73, 892	\$193, 911	\$33, 453
Shipping.....	\$2, 124, 463	\$345, 944	\$1, 133, 955	\$357, 515	\$73, 831	\$183, 854	\$29, 364
Local.....	267, 854	51, 811	201, 836	.....	61	10, 057	4, 089
Fifth.....	\$2, 384, 395	\$1, 552, 138	\$619, 886	\$51, 905	\$64, 887	\$92, 873	\$2, 706
Shipping.....	\$2, 183, 037	\$1, 503, 103	\$489, 658	\$51, 905	\$64, 887	\$70, 778	\$2, 706
Local.....	201, 358	49, 035	130, 228	.....	.....	22, 095	.....
Sixth.....	\$5, 069, 953	\$1, 409, 438	\$2, 787, 297	\$143, 305	\$198, 795	\$471, 737	\$59, 381
Shipping.....	\$4, 971, 377	\$1, 362, 721	\$2, 744, 262	\$143, 305	\$190, 092	\$471, 737	\$59, 261
Local.....	98, 576	46, 717	43, 035	.....	8, 703	.....	120
Seventh.....	\$4, 845, 349	\$849, 111	\$3, 179, 250	\$92, 390	\$251, 719	\$439, 526	\$32, 633
Shipping.....	\$4, 727, 365	\$839, 374	\$3, 076, 686	\$92, 390	\$248, 853	\$437, 439	\$32, 663
Local.....	117, 984	9, 737	103, 264	.....	2, 866	2, 087	30
Eighth.....	\$6, 422, 776	\$1, 557, 337	\$3, 907, 607	\$225, 162	\$202, 879	\$498, 385	\$31, 406
Shipping.....	\$6, 216, 774	\$1, 381, 357	\$3, 881, 518	\$225, 162	\$200, 349	\$498, 185	\$30, 203
Local.....	206, 002	175, 980	26, 089	.....	2, 530	200	1, 203
Ninth.....	\$3, 837, 341	\$1, 312, 793	\$1, 609, 676	\$293, 645	\$277, 368	\$333, 125	\$10, 734
Shipping.....	\$3, 811, 162	\$1, 305, 103	\$1, 591, 624	\$293, 645	\$277, 368	\$332, 688	\$10, 734
Local.....	26, 179	7, 690	18, 052	.....	.....	437	.....
Tenth.....	\$5, 050, 138	\$1, 373, 767	\$1, 626, 916	\$665, 646	\$661, 172	\$608, 188	\$114, 449
Shipping.....	\$4, 979, 632	\$1, 368, 347	\$1, 572, 834	\$665, 546	\$658, 023	\$600, 533	\$114, 349
Local.....	70, 506	5, 420	54, 082	100	3, 149	7, 655	100
The State.....	\$39, 895, 902	\$9, 772, 151	\$22, 132, 893	\$2, 365, 287	\$1, 915, 889	\$3, 364, 725	\$344, 757
Shipping.....	\$38, 033, 393	\$9, 278, 803	\$20, 860, 694	\$2, 365, 287	\$1, 894, 702	\$3, 294, 946	\$338, 962
Local.....	1, 862, 409	493, 348	1, 272, 199	100	21, 187	69, 779	5, 795

TABLE 73—*Summary by Districts of the Value of Coal per Ton at the Mines—1906.*

DISTRICTS AND MINES.	AVERAGE VALUE OF THE DIFFERENT GRADES OF COAL PER TON AT THE MINES.						All grades.
	Mine-run	Lump.	Egg.	Nut.	Pea.	Slack.	
First	\$1.55	\$1.665	\$1.685	\$1.333	\$0.607	.....	\$1.432
Shipping	\$1.526	\$1.642	\$1.685	\$1.333	\$0.60	.....	\$1.412
Local	1.812	2.337	.....	.....	0.937	.....	1.996
Second	\$1.417	\$1.687	\$1.70	\$1.367	\$0.667	\$0.703	\$1.436
Shipping	\$1.414	\$1.604	\$1.70	\$1.367	\$0.673	\$0.703	\$1.401
Local	1.70	1.88	.....	.....	0.573	.....	1.754
Third	\$1.249	\$1.596	\$1.63	\$1.114	\$0.492	\$0.364	\$1.315
Shipping	\$1.222	\$1.591	\$1.63	\$1.06	\$0.487	\$0.369	\$1.29
Local	1.421	1.631	.....	2.00	0.789	0.20	1.533
Fourth	\$1.209	\$1.497	\$1.333	\$1.142	\$0.512	\$0.332	\$1.184
Shipping	\$1.196	\$1.478	\$1.333	\$1.142	\$0.497	\$0.373	\$1.153
Local	1.305	1.61	.....	1.00	1.119	0.457	1.463
Fifth	\$0.995	\$1.352	\$1.144	\$1.085	\$0.602	\$0.564	\$1.044
Shipping	\$0.991	\$1.313	\$1.144	\$1.085	\$0.548	\$0.564	\$1.021
Local	1.113	1.522	.....	.....	0.882	.....	1.302
Sixth	\$0.981	\$1.226	\$1.048	\$0.995	\$0.514	\$0.329	\$0.985
Shipping	\$0.966	\$1.221	\$1.048	\$0.998	\$0.514	\$0.329	\$0.975
Local	1.729	1.633	.....	0.94	.....	0.60	1.569
Seventh	\$0.964	\$1.205	\$1.236	\$1.061	\$0.469	\$0.301	\$0.993
Shipping	\$0.959	\$1.189	\$1.236	\$1.06	\$0.468	\$0.31	\$0.982
Local	1.813	1.957	.....	1.471	1.059	0.40	1.899
Eighth	\$0.889	\$1.073	\$1.11	\$0.762	\$0.392	\$0.16	\$0.876
Shipping	\$0.846	\$1.07	\$1.11	\$0.76	\$0.392	\$0.157	\$0.866
Local	1.489	1.729	.....	1.00	0.40	0.30	1.468
Ninth	\$0.955	\$1.156	\$1.141	\$0.994	\$0.479	\$0.144	\$0.942
Shipping	\$0.954	\$1.155	\$1.141	\$0.994	\$0.479	\$0.144	\$0.927
Local	1.124	1.271	.....	.....	0.281	.....	1.159
Tenth	\$0.927	\$1.287	\$1.219	\$0.975	\$0.573	\$0.358	\$0.943
Shipping	\$0.926	\$1.284	\$1.219	\$0.976	\$0.571	\$0.358	\$0.934
Local	1.023	1.362	1.00	0.751	0.844	0.33	1.202
The State	\$0.999	\$1.311	\$1.278	\$0.992	\$0.508	\$0.319	\$1.046
Shipping	\$0.983	\$1.292	\$1.278	\$0.991	\$0.504	\$0.318	\$1.029
Local	1.441	1.739	1.00	1.063	0.819	0.392	1.56

TABLE 74—*Summary by Districts of the Total Tons and the Disposition of the Output—1906.*

DISTRICTS AND MINES.	Total tons produced.	DISPOSITION OF OUTPUT—TONS.			
		Shipped from mines.	Supplied to locomotives at mines.	Sold to local trade.	Consumed and wasted at mines.
First.....	2,936,330	2,364,675	96,160	214,132	261,363
Shipping	2,843,504	2,364,675	96,160	142,879	239,790
Local	92,826			71,253	21,573
Second.....	2,311,494	1,917,880	26,071	271,554	95,989
Shipping	2,087,227	1,917,880	26,071	50,233	93,043
Local	224,267			221,321	2,946
Third.....	1,869,023	1,498,229	58,978	245,434	66,382
Shipping	1,675,654	1,498,229	58,978	63,133	55,314
Local	193,369			182,301	11,068
Fourth.....	2,026,383	1,616,865	57,714	253,208	68,601
Shipping	1,843,293	1,616,865	57,714	102,399	66,315
Local	183,090			180,804	2,286
Fifth.....	2,253,018	1,881,911	33,683	317,092	50,332
Shipping	2,128,332	1,881,911	33,683	162,506	50,232
Local	154,686			154,586	100
Sixth.....	5,160,607	4,493,078	129,877	333,162	204,490
Shipping	5,097,776	4,493,078	129,877	272,346	202,475
Local	62,831			60,816	2,015
Seventh.....	4,878,062	4,313,683	143,892	213,411	207,106
Shipping	4,815,963	4,313,683	143,892	155,839	202,539
Local	62,139			57,572	4,567
Eighth.....	7,390,093	6,714,094	82,791	257,946	275,262
Shipping	7,189,765	6,714,094	82,791	119,978	272,922
Local	140,308			137,968	2,340
Ninth.....	4,132,639	3,483,269	333,951	164,329	151,090
Shipping	4,110,043	3,483,269	333,951	141,931	150,892
Local	22,596			22,398	198
Tenth.....	5,389,902	4,812,426	72,227	239,415	265,834
Shipping	5,331,244	4,812,426	72,227	182,507	264,084
Local	58,658			56,908	1,750
The State.....	38,317,581	33,096,110	1,035,344	2,539,678	1,646,449
Shipping	37,122,811	33,096,110	1,035,344	1,393,751	1,597,606
Local	1,194,770			1,145,927	48,843

TABLE 75—Summary by Districts—Tons Mined by Hand and Machine, Prices Paid for Mining, Machines, Powder—1906.

DISTRICTS AND MINES.	TONS MINED BY—		AVERAGE PRICES PAID PER TON FOR—		MACHINES.		POWDER.	
	Hand.	Machine.	Hand mining.	Machine mining.	Number of mines using.	Number in use.	Used for blasting coal.	For other purposes
First.....	2,936,330		\$0.792				21,198	661
Shipping.....	2,843,504		\$0.784				20,829	661
Local.....	92,826		1.033				369	
Second.....	2,311,494		\$0.765				37,295	1,232
Shipping.....	2,097,237		\$0.745				31,919	1,232
Local.....	224,257		0.949				5,376	
Third.....	1,856,078	12,945	\$0.679	\$0.799	1	3	54,338	345
Shipping.....	1,663,709	12,945	\$0.679	\$0.799	1	3	44,100	345
Local.....	192,369		0.678				10,238	
Fourth.....	2,086,393		\$0.637				94,116	105
Shipping.....	1,843,333		\$0.609				86,446	95
Local.....	133,060		0.817				7,670	10
Fifth.....	2,047,972	235,046	\$0.533	\$0.491	5	51	78,649	35
Shipping.....	1,893,296	235,046	0.532	0.491	5	51	73,898	35
Local.....	154,686		0.549				4,751	
Sixth.....	4,679,894	480,713	\$0.527	\$0.450	3	27	215,093	141
Shipping.....	4,617,063	480,713	\$0.525	\$0.450	3	27	213,083	141
Local.....	62,831		0.612				2,049	
Seventh.....	1,912,157	2,965,995	\$0.548	\$0.452	21	296	73,945	62
Shipping.....	1,856,917	2,969,696	\$0.531	\$0.452	19	294	73,197	61
Local.....	55,240	6,299	1.149	0.457	2	2	748	1
Eighth.....	3,639,433	3,760,670	\$0.532	\$0.450	30	321	161,798	42
Shipping.....	3,499,115	3,760,670	\$0.530	\$0.450	30	321	157,608	42
Local.....	140,308		0.570				4,190	
Ninth.....	2,995,337	1,197,303	\$0.499	\$0.419	11	120	120,594	2
Shipping.....	2,912,741	1,197,303	\$0.498	\$0.419	11	120	119,990	2
Local.....	82,596		0.596				725	
Tenth.....	4,419,398	970,619	\$0.490	\$0.396	14	145	170,378	124
Shipping.....	4,360,636	970,619	\$0.488	\$0.396	14	145	168,221	124
Local.....	58,696		0.578				2,157	
The State.....	36,764,351	9,863,330	\$0.578	\$0.443	95	993	1,037,373	2,749
Shipping.....	37,896,490	9,866,331	\$0.570	\$0.443	93	990	999,190	2,738
Local.....	1,167,871	6,999	0.793	0.457	2	2	38,273	11

TABLE 76—*Summary by Districts—Employés, Days in Operation, Casualties—1906.*

DISTRICTS AND MINES.	Total number employés	EMPLOYÉS.				Average days of operation.	CASUALTIES.	
		Miners.	Others under ground.	Boys under ground.	All above ground.		Killed.	Injured.
First.....	7,091	5,096	1,210	207	578	183	17	70
Shipping	6,768	4,838	1,181	206	543	207	.....	.....
Local	323	258	29	1	35	161	.....	.....
Second.....	6,293	4,702	1,000	108	483	.....	9	87
Shipping	5,663	4,179	972	108	404	201	.....	.....
Local	630	523	28	.....	79	163	.....	.....
Third.....	3,623	2,692	508	80	343	161	6	24
Shipping	3,067	2,225	466	80	296	205	.....	.....
Local	566	467	42	.....	57	149	.....	.....
Fourth.....	3,845	2,865	637	24	319	153	4	16
Shipping	3,261	2,342	604	24	291	192	.....	.....
Local	584	523	33	.....	28	145	.....	.....
Fifth.....	3,997	2,725	895	116	261	196	15	28
Shipping	3,683	2,482	834	116	251	193	.....	.....
Local	314	243	61	.....	10	201	.....	.....
Sixth.....	7,856	5,363	1,567	203	723	175	15	47
Shipping	7,646	5,211	1,528	203	704	181	.....	.....
Local	210	152	39	.....	19	162	.....	.....
Seventh.....	6,895	4,594	1,366	216	719	186	25	84
Shipping	6,621	4,365	1,348	216	692	175	.....	.....
Local	274	229	18	.....	27	196	.....	.....
Eighth.....	8,633	5,808	1,718	196	911	188	32	72
Shipping	8,334	5,596	1,701	192	855	187	.....	.....
Local	299	222	17	4	56	189	.....	.....
Ninth.....	6,380	4,167	1,166	150	897	181	18	21
Shipping	6,324	4,127	1,164	150	883	183	.....	.....
Local	56	40	2	.....	14	174	.....	.....
Tenth.....	7,670	4,908	1,538	199	1,025	162	14	36
Shipping	7,494	4,779	1,526	199	990	189	.....	.....
Local	176	129	12	.....	35	124	.....	.....
The State.....	62,283	42,920	11,605	1,499	6,259	172	155	480
Shipping	58,851	40,134	11,324	1,494	5,899	190	.....	.....
Local	3,432	2,786	281	5	360	160	.....	.....

FATAL ACCIDENTS.

The number of deaths caused by accidents in and around the coal mines of the State, during the past year was 155, which is less than for either of the three previous years. The following table presents the record by districts:

TABLE 77—*Fatal Casualties by Districts for the Year Ended June 30, 1906.*

DISTRICT.	Killed.	WHERE EMPLOYED.		EMPLOYES.			Total tons of coal mined.	Number employed to each death.	Ratio per 1000 employed.	Number of tons of coal to each death.
		Under ground.	Above ground.	Under ground.	Above ground.	Total.				
First.....	17	15	2	6,513	598	7,091	2,996,330	417	2.4	172,725
Second.....	9	9		5,810	493	6,293	2,311,494	699	1.4	256,833
Third.....	6	6		3,299	343	3,633	1,969,023	604	1.7	311,504
Fourth.....	4	4		3,536	319	3,845	2,026,393	961	1.0	506,596
Fifth.....	15	15		3,796	261	3,997	2,293,019	266	3.8	152,201
Sixth.....	15	15		7,133	728	7,856	5,169,607	524	1.9	344,040
Seventh.....	25	25	2	6,176	719	6,895	4,873,032	276	3.6	195,124
Eighth.....	32	30	2	7,722	911	8,633	7,330,008	270	3.7	229,065
Ninth.....	18	16		5,493	897	6,390	4,132,630	354	2.8	229,591
Tenth.....	14	12	2	6,645	1,085	7,670	5,399,902	548	1.8	394,903
The State.....	155	147	8	55,021	6,259	61,283	38,317,581	402	2.5	247,219

The fifth, eighth and seventh districts, respectively, show the highest ratio of killed to 1,000 persons employed; in this regard the rate for the State is 2.5, being the lowest shown for the past three years.

fatal casualty record for a series of 24 years is shown in the following table:

TABLE 78—*Fatal Accidents for Twenty-four Years.*

Year.	Number killed.	Total number of employes.	Total tons of coal mined.	Number of employes to each life lost.	Rate per 1,000.	Number of tons of coal produced to each life lost.
.....	134	23,939	12,123,457	179.6	5.6	90,474
.....	46	25,575	12,206,075	566	1.8	265,393
.....	39	25,436	11,834,459	652.4	1.5	303,448
.....	52	25,846	11,175,241	497	2.0	214,909
.....	41	26,804	12,423,066	654	1.5	308,002
.....	55	29,410	14,323,181	534.7	1.9	280,512
.....	42	30,076	14,017,296	716.1	1.4	333,745
.....	53	28,574	15,274,727	539.1	1.9	286,316
.....	60	32,951	15,680,696	549	1.8	261,012
.....	57	33,632	17,062,276	580	1.7	313,372
.....	69	35,390	19,949,564	513	1.9	289,124
.....	72	32,635	17,113,576	553.3	2.2	237,696
.....	75	31,962	17,735,864	426.2	2.3	236,478
.....	77	33,054	19,786,626	429.2	2.3	256,969
.....	69	33,798	20,072,758	489.7	2.0	290,610
.....	75	35,026	18,599,299	467	2.1	247,991
.....	84	36,991	23,434,445	440	2.3	273,962
.....	94	39,384	25,153,929	419	2.4	267,596
.....	99	44,143	26,635,319	445.9	2.2	269,044
.....	99	46,005	30,021,300	464.7	2.2	303,245
.....	156	49,814	34,955,400	319.3	3.1	224,073
.....	157	54,774	37,077,897	348.9	2.9	236,166
.....	199	59,230	37,183,374	298	3.4	186,861
.....	155	62,233	38,317,581	402	2.5	247,210
Average—24 years.	86	36,530	20,922,767	425	2.4	243,296

During the exceptional mortality for the years 1883, and 1905, the number of deaths has increased from 46 to 155 or 215 per cent. During the same period, the number of miners has increased 144 per cent, and the number of tons 314 per cent.

The following table presents the averages of the number of fatal casualties, employes and tons, also the proportion of the killed to the number employed and the output, with the ratio of deaths to each 1,000 employed:

TABLE 79—*Fatal Accidents, Averages and Proportions for Nine Years, 1883-1891, and for the Succeeding Fifteen Years, 1892-1905.*

NUMBER OF YEARS.	AVERAGE.			PROPORTION OF—		Ratio per 1,000.
	Killed.	Employés.	Tons mined.	Employés to each life lost.	Tons to each life lost.	
9 years.....	58	27,623	13,227,245	476.3	208,899	2.1
10 years.....	58	28,224	13,610,748	487.5	235,073	2.1
11 years.....	59	28,876	14,187,004	490.2	240,829	2.0
12 years.....	60	29,189	14,430,885	486.5	240,515	2.1
13 years.....	61	29,402	14,685,114	481.	240,134	2.1
14 years.....	62	29,663	15,049,508	464.8	241,621	2.1
15 years.....	63	29,938	15,384,391	479.	245,235	2.1
16 years.....	64	30,256	15,585,323	476.5	245,438	2.1
17 years.....	65	30,652	16,047,086	473.7	248,000	2.1
18 years.....	66	31,137	16,552,974	469.4	249,568	2.1
19 years.....	68	31,822	17,083,624	467.6	251,085	2.1
20 years.....	70	32,531	17,730,508	467.4	254,748	2.1
21 years.....	74	33,354	18,556,741	452.5	251,657	2.2
22 years.....	78	34,328	19,392,894	442.9	250,231	2.3
23 years.....	83	35,410	20,166,384	437.8	243,607	2.3
24 years.....	86	36,530	20,922,767	425.	243,298	2.4

fatal accidents for the year are attributed to the following 23 set forth in the following table:

80—*Fatal Accidents by Causes for 1906, by Districts, with Percentages.*

CAUSES.	Totals.	DISTRICTS.										Percentages.
		1st	2d	3d	4th	5th	6th	7th	8th	9th	10th	
explosion	1									1		0.65
out shot	2									1	1	1.29
explosion	1								1			0.65
.....	5	1			1			1			2	3.22
motors	3					1		1		1		1.93
on, drilling shot	1							1				0.65
coal	18	3	2				1	3	6	3		11.61
down shaft	9			4				2		1	2	5.80
from car	1						1					0.65
from chute	1	1										0.65
ice down shaft	1							1				0.65
rock or roof	66	8	3	2	2	12	3	7	20	6	3	42.58
slate down shaft	1									1		0.65
coal	10		1				6		1	2		6.45
bel	1							1				0.65
losion	2						2					1.29
r	1									1		0.65
wheel	1										1	0.64
.....	18	3	3			2	1	4	2	1	2	11.61
explosions	5				1			2			2	3.22
ure blasts	2						1	1				1.29
d cars	4	1						1	1		1	2.58
owing through rib	1								1			0.64
al 1906	155	17	9	6	4	15	15	25	32	18	14	100.00

is shown the source of all of the fatal accidents, distributed by 3. Falling coal and rock in the mines accounts for 54 per cent of the accidents; 80 per cent of these falls occurred in the first, fifth, eighth and ninth districts. Owing to the change in the boundaries of the districts no comparison can be made, in this respect, with years.

The several causes of the fatal accidents have been reduced or condensed into seven distinct leading classes, also a class representing miscellaneous accidents. The following table is the record for 19 years:

TABLE 81—*Fatal Accidents for Nineteen Years, by Leading Causes.*

YEARS.	LEADING CAUSES.							Totals.	Percentages.
	Blasts and explosions.	Cages.	Falling coal rock.	Falling down shaft.	Pipe, black and white damp.	Pit cars.....	Railroad cars.		
1888.....	9	2	33	4	.....	6	1	55	3.1
1889.....	3	4	26	2	.....	5	.....	42	2.4
1890.....	4	4	36	.....	5	3	1	53	3.0
1891.....	11	4	33	1	4	2	2	60	3.4
1892.....	4	4	28	8	3	6	1	57	3.2
1893.....	6	4	48	3	2	2	1	69	4.0
1894.....	8	8	43	5	.....	6	2	72	4.1
1895.....	12	4	38	4	5	5	1	75	4.3
1896.....	9	5	41	6	2	7	1	77	4.4
1897.....	11	.....	46	5	2	1	1	69	4.0
1898.....	11	2	43	4	7	2	1	75	4.3
1899.....	4	5	51	4	4	6	1	84	4.8
1900.....	17	4	51	1	1	11	2	94	5.4
1901.....	3	1	57	1	1	11	.....	99	5.7
1902.....	13	2	55	7	.....	15	2	99	5.7
1903.....	47	6	77	2	.....	18	.....	156	8.9
1904.....	44	4	65	8	.....	21	2	157	9.0
1905.....	82	6	80	4	3	10	1	199	11.4
1906.....	24	5	84	9	.....	18	4	155	8.9
Totals.....	322	74	935	78	39	155	24	1,747	100.00
Percentages, 19 years.....	18.43	4.24	53.52	4.47	2.23	8.87	1.37	100.00	.....

Falling coal and rock accounts for 53.52 per cent of all the deaths for the years shown in the table; for eleven years to 1898 inclusive, the per cent was 59.8 from these causes. Blasts and explosions answers for 18.43 per cent and pit cars 8.87 per cent. These three causes covering 80.82 per cent of all fatalities for the series of years shown.

The classification of the causes of the 155 fatal accidents shown in Table 80, are reduced to three classes: one of which shows under five distinct headings the deaths following from the use of powder in blasting coal, these number 24 for the year; another, the deaths resulting from the falling of coal, clod, rock and slate, in the rooms or entries in

the mines, which accounts for 84; the third is classed as miscellaneous and embraces 47 from all causes not otherwise accounted for. This distribution is shown in the following table for the year by districts, and for the five previous years:

TABLE 82—*Fatal Accidents, Caused Primarily by Explosions, Falling Coal, and from Other Causes by Districts, for the Year 1906, and for the Five Preceding Years.*

DISTRICT AND YEARS.	CAUSES—USE OF POWDER.					Total from blasts, etc.	OTHER CAUSES		Total from other causes.	Total from all causes
	Blast ex- plosions.	Blast pre- mature.	Blowout charges.	Powder explosions.	Flying coal.		Falling coal, rock, etc.	Miscellaneous		
First.....							11	6	17	17
Second.....					1	1	5	3	8	9
Third.....							2	4	6	6
Fourth.....				1		1	2	1	3	4
Fifth.....							12	3	15	15
Sixth.....	2	1			6	9	4	2	6	15
Seventh.....	2			2		4	10	11	21	25
Eighth.....	1				1	2	26	4	30	32
Ninth.....	1		1		2	4	9	5	14	18
Tenth.....			1	2		3	3	8	11	14
1906.....	6	1	2	5	10	24	84	47	131	155
1905.....	56	2	7	8	9	82	80	37	117	199
1904.....	3	16	2	14	9	44	65	48	113	157
1903.....	28	11		3	2	44	79	33	112	156
1902.....	2	9		3	3	17	55	27	82	99
1901.....	1	8		3	8	20	57	22	79	99
Six years.....	96	47	11	36	41	231	420	214	634	865

This record is set forth by percentages in the following table:

TABLE 83—Percentages of Fatal Casualties for Six Years—1901-1906—By Causes.

YEARS.	USE OF POWDER.					Totals—from powder, blasts, etc., other causes, all causes.	OTHER CAUSES.		ALL CAUSES.		
	Blasts—explosion.	Blasts—premature.	Blown-out charges.	Powder explosions.	Flying coal, etc		Falling coal, rock, etc. in mines.	Miscellaneous.	Blasts, powder, etc.	Falling coal, roofs, etc.	Miscellaneous.
1901.....	5.0	40.0	.....	15.0	40.0	100.00	72.2	27.8	20.2	57.6	22.2
1902.....	11.8	52.9	.....	17.6	17.7	100.00	67.1	32.9	17.2	55.5	27.3
1903.....	63.6	25	.....	6.8	4.6	100.00	70.5	29.5	28.2	50.6	21.2
1904.....	6.8	36.4	4.5	31.8	20.5	100.00	57.5	42.5	28.0	41.4	30.6
1905.....	68.3	2.4	8.5	9.8	11.0	100.00	68.4	31.6	41.2	40.2	18.6
1906.....	25.0	4.2	8.3	20.8	41.7	100.00	64.1	35.9	15.5	54.2	30.3
Six years.....	41.6	20.2	4.8	15.6	17.8	100.00	66.2	33.8	26.7	48.6	24.7

Considering the percentage of the deaths from the resultant force in the use of powder, for the six years, shown in the first three columns, it is seen that 66.6 per cent of the fatalities was in consequence of this explosive in blasting coal; 15.6 per cent from the careless use of powder; and 17.8 per cent from coal, rock or slate flying from blasts of different kinds.

Omitting the deaths caused by the use of powder, it is found that for the six years 66.2 per cent of the killed resulted from falling coal, rock, etc., in the mines and 33.8 per cent from miscellaneous causes. Dividing all of the fatal accidents into three classes as shown by the percentages in the last three columns of the table, it is shown that for the six years 26.7 per cent resulted from the use of powder; 48.6 per cent from falling coal and 24.7 per cent from all other causes.

Combining the fatal and non-fatal accidents, and classifying them, for comparison as to the use of powder and other causes, the following is presented:

TABLE 84—*Fatal and Non-fatal Accidents for the Year, Caused Primarily by Explosions, with Percentages, also Accidents by Falling Coal and Rock and all Other Causes, with Percentages.*

CAUSES.	CASUALTIES.		PERCENTAGES OF—		All casualties.	Per-centages.
	Fatal.	Non-fatal.	Fatal.	Non-fatal.		
Blast explosions.....	6	*15	25.0	37.50	20	31.75
Blasts, premature.....	1	1	4.2	2.50	2	3.17
Blown-out charges.....	2	6	8.3	15.00	8	12.70
Powder explosions.....	5	9	20.8	22.50	14	22.22
Flying coal.....	10	9	41.7	22.50	19	30.16
Totals.....	24	40	100.00	100.00	63	100.00
Falling coal and rock.....	84	253	64.12	57.50	339	59.27
All other causes.....	47	187	35.88	42.50	233	40.73
Totals.....	131	440	100.00	100.00	572	100.00
Grand total.....	155	480	24.41	75.59	635	100.00

* One dynamite, seven gas.

Here is shown 64 accidents resulted from the use of powder; of this number 24 or 37.5 per cent were fatal, and 40 or 62.5 per cent non-fatal. The number of all accidents was 337 from falling coal, rock, etc., in the mines; 84 or 24.93 per cent resulted fatally while 253 or 75.07 per cent were injuries more or less serious. The total number of accidents from all causes was 635; of these 155 or 24.41 were fatal and 480 or 75.59 per cent non-fatal.

The following table gives the total number of persons employed; the total tons of coal produced; the fatal accidents from falls in the mines and from other causes, with percentages for a series of 24 years:

TABLE 85—*Fatal Accidents in Coal Mines, Caused by Falls in Mines and from all Other Causes; the Total Number of Men and Tons, with Percentages for Twenty-four Years.*

YEARS.	Persons employed.	Total tons.	Total deaths.	CAUSES.		PERCENTAGE BY—	
				Falls.	Other causes.	Falls.	Other causes.
1883	23,939	12,123,456	134	40	94	19.9	70.1
1884	25,575	12,208,075	46	29	17	63.0	37.0
1885	25,436	11,894,459	39	20	19	51.3	48.7
1886	25,846	11,175,241	52	32	20	61.5	38.5
1887	26,904	12,423,066	41	28	13	68.3	31.7
1888	29,410	14,328,181	55	33	22	60.0	40.0
1889	30,076	14,017,298	42	26	16	61.9	38.1
1890	28,574	15,274,727	53	36	17	67.9	32.1
1891	32,951	15,660,698	60	33	27	55.0	45.0
1892	33,632	17,062,276	57	28	29	49.1	50.9
1893	35,390	19,949,564	69	48	21	69.6	30.4
1894	32,635	17,113,576	72	43	29	59.7	40.3
1895	31,962	17,735,864	75	38	37	50.7	49.3
1896	33,054	19,796,626	77	41	36	53.2	46.8
1897	33,788	20,072,758	69	46	23	66.7	33.3
1898	35,026	18,599,299	75	43	32	57.3	42.7
1899	36,991	23,434,445	84	51	33	60.7	39.3
1900	39,384	25,153,929	94	51	43	54.3	45.7
1901	44,143	26,635,319	99	57	42	57.6	42.4
1902	46,005	30,021,300	99	55	44	55.6	44.4
1903	49,814	34,955,400	156	76	80	48.7	51.3
1904	54,774	37,077,897	157	65	92	41.4	58.6
1905	59,230	37,183,374	199	80	119	40.2	59.8
1906	62,283	38,317,581	155	84	71	54.2	45.8
Totals			2,059	1,083	976		
Averages	36,530	20,922,684	86	45	41		
Percentages						52.6	47.4

The reading of the last line of totals in the table reveals that 2,059 men have been killed at the coal mines of the State during the past 24 years; of this number 1,083 or 52.6 per cent met death by falling coal or rock in the mines, while 976 or 47.4 per cent were killed by all other causes.

The occupation and conjugal relations of the men killed are shown in the following table:

TABLE 86—*Occupation and Conjugal Relations of the Men Killed at the Mines for the Year 1906.*

OCCUPATION.	Total deaths.	Per-centage.	CONJUGAL RELATION.				
			Married.	Single.	Widows.	Children.	Dependents.
1 Blasters and loaders	7	4.53	4	3	4	7	11
2 Cagers	2	1.29	1	1	1	1	2
3 Drivers	18	11.62	6	12	6	18	24
4 Foremen	2	1.29	2	.....	2	4	5
5 Laborers	4	2.58	4	1	4	10	13
6 Loaders	3	1.94	2	1	2	5	8
7 Machine helpers	3	1.94	2	1	2	6	8
8 Machine runners	3	1.94	3	.....	3	9	12
9 Mine examiners	2	1.29	1	1	1	1	2
10 Miners	76	49.04	52	24	52	188	200
11 Mine managers	3	1.94	3	.....	3	10	13
12 Operator	1	.64	1	.....	1	7	8
13 Pumpman	1	.64	.....	1	.....	.....	.....
14 Roadman	1	.64	.....	1	.....	.....	.....
15 Sinkers	2	1.29	1	1	1	6	6
16 Shotfirers	18	11.62	15	3	15	42	46
17 Superintendent	1	.64	1	.....	1	2	3
18 Switchman	1	.64	.....	1	.....	.....	.....
19 Timbermen	2	1.29	2	.....	2	4	6
20 Trapper	1	.64	.....	1	.....	.....	.....
21 Trimmer	1	.64	.....	1	.....	.....	.....
22 Trip rider	1	.64	.....	1	.....	.....	.....
23 Watchman	1	.64	1	.....	1	2	.....
24 Yardsman	1	.64	1	.....	1	4	5
Total	155	100.00	102	53	102	326	372

Nearly one-half of the killed were miners proper; these with the drivers and shot firers constitute 72 per cent of the total number killed. Of the number killed 102 were married men and 53 unmarried; 102 wives were made widows and 326 children were left fatherless; in all 372 were left dependent on their own resources to earn a livelihood.

The subject of fatal accidents in mines is closed with two tables (87 and 88) following, reproduced from the *Engineering and Mining Journal*, New York, appearing in its issue of December 22, 1906. The data here shown was prepared by Frederick L. Hoffman, and covers the period of ten years, 1896-1905.

Table 87 presents the number of persons killed at coal mines in 20 states and countries for each of the ten years. Table 88 gives the number killed to every 1,000 employed:

TABLE 87—*Number of Persons Killed by Accidents in Coal Mines of the United States and Canada—1896-1905.*

	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	10 years
Alabama.....	28	38	45	40	37	41	50	57	84	185	605
Colorado.....	68	35	24	41	29	55	73	40	89	59a	513
Illinois.....	77	69	75	84	94	99	99	156	157	199	1,109
Indiana.....	28	16	22	16	18	24	24	55	34	47	284
Indian Territory.....	12	22	17	25	40	44	60	33	30	44	327
Iowa.....	22	21	26	20	29	26	55	21	31	24	275
Kansas.....	12	6	17	16	22	26	27	36	16b	36	214
Kentucky.....	6	12	6	7	17	21	19	25	19	31	163
Maryland.....	6	5	4	5	7	12	11	13	12	13	88
Michigan.....				46	10	6	6	8	7	8	49
Missouri.....	16	8	9	14	10	15	10	17	11	11	121
New Mexico.....	7	7	7	15	15	9	17	17	15	5	114
Ohio.....	41	40	52	57	68	72	81	114	118	131	774
Pennsylvania (anthr.).....	502	423	411	461	411	513	300	518	595	644	4,778
Pennsylvania (bit.).....	180	150	199	258	265	301	456	402	536	479	3,226
Tennessee.....	22	10	19	20	10	53	226	26	28	29	443
Utah.....	3	3	3		209	10	8	7	9	7	259
Washington.....	8	7	9	45	33	27	34	25	31	13	232
West Virginia.....	65	62	90	89	141	130	120	159	140	194	1,190
British Columbia.....	9	6	7	11	17	102	139	42	37	12	382
Nova Scotia.....	8	7	7	19	21	14	19	31	19	20	165
Total deaths.....	1,120	947	1,043	1,247	1,503	1,600	1,834	1,802	2,018	2,191	15,311

a Underground only.

b Six months.

TABLE 88—*Fatal Accidents in Coal Mining in the United States and Canada—1896-1905.*

	NUMBER OF PERSONS KILLED PER 1,000 EMPLOYED.										10 years
	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	
Alabama.....	2.83	3.07	4.55	3.10	2.59	2.90	2.79	2.94	4.71	10.74	4.15
Colorado.....	10.07	4.99	3.23	5.60	3.99	6.88	8.11	3.89	8.26	a4.96	5.98
Illinois.....	2.33	2.04	2.14	2.27	2.39	2.24	2.15	3.13	2.87	3.36	2.57
Indiana.....	3.94	2.00	2.63	2.07	1.82	1.98	1.83	3.64	2.70	2.53	2.52
Indian Ter.....	3.26	6.34	4.82	6.24	7.59	8.35	9.62	5.42	3.63	5.76	6.12
Iowa.....	2.62	2.45	3.38	2.49	2.22	1.97	4.23	1.59	1.90	1.36	2.31
Kansas.....	1.36	0.71	1.95	1.57	2.06	2.28	2.70	3.61	b3.09	2.97	2.68
Kentucky.....	0.79	1.55	0.67	0.83	2.06	2.14	1.58	1.85	1.37	2.06	1.55
Maryland.....	1.58	1.17	0.89	1.08	1.32	2.23	1.99	2.29	2.11	2.09	1.72
Michigan.....				b4.88	6.11	3.26	4.24	2.54	2.58	2.93	3.43
Missouri.....	2.43	1.22	1.22	1.80	1.31	1.63	1.09	1.85	1.47	1.06	1.49
New Mexico.....	4.87	5.13	3.71	7.98	7.44	4.81	10.11	7.26	7.61	2.35	6.15
Ohio.....	1.44	1.39	1.77	2.03	2.14	2.15	2.16	2.75	2.57	2.96	2.22
Pennsylvania (anthr.).....	3.35	2.83	2.89	3.28	2.86	3.47	2.03	3.41	3.69	3.83	3.18
Pennsylvania (bit.).....	2.14	1.72	2.27	2.82	2.43	2.56	3.37	2.65	3.45	2.90	2.73
Tennessee.....	3.37	1.58	2.43	2.60	1.15	6.10	25.80	2.69	2.81	2.38	5.11
Utah.....	4.35	4.17	4.38		138.96	5.81	3.24	3.21	4.06	5.14	17.66
Washington.....	2.98	2.48	2.70	13.60	7.79	5.59	7.83	5.13	6.69	2.73	5.82
West Virginia.....	2.68	2.89	3.86	3.55	5.03	4.01	3.78	4.03	3.08	4.24	3.75
British Columbia.....	3.27	2.47	2.34	2.91	4.22	25.67	34.65	9.85	8.31	2.72	10.30
Nova Scotia.....	1.33	1.35	1.56	3.39	3.17	1.83	2.36	2.79	1.63	1.86	2.14
Totals.....	2.79	2.34	2.59	2.98	3.24	3.24	3.49	3.14	3.37	3.44	3.11

a Underground only.

b Six months.

NON-FATAL ACCIDENTS.

Non-fatal accidents for the year number 480; these are from injuries sustained involving a loss of thirty days or more of time. The ratio of the injured was 7.7 to 1,000 employed; to those working under ground it was 8.3; while on the surface it was 2.1.

TABLE 89—*Non-Fatal Accidents, by Districts—1906.*

DISTRICT.	Number of men injured.	INJURED.		NUMBER OF EMPLOYEES.			Total tons of coal mined.	Number of employees to one man injured.	Ratio per 1000.	Number of tons mined to each man injured.
		Under ground.	Above ground.	Under ground.	Above ground.	Total.				
First.....	70	70		6,513	578	7,091	2,936,330	101	9.9	41,948
Second.....	87	83	4	5,810	483	6,293	2,311,494	72	13.8	26,569
Third.....	24	24		3,280	343	3,623	1,869,023	151	6.6	77,876
Fourth.....	16	15	1	3,526	319	3,845	2,026,383	240	4.1	126,649
Fifth.....	23	22	1	3,736	261	3,997	2,283,018	174	5.8	99,262
Sixth.....	47	46	1	7,133	733	7,856	5,160,607	167	6.0	109,800
Seventh.....	84	82	2	6,176	719	6,895	4,578,092	82	12.2	58,073
Eighth.....	72	70	2	7,722	911	8,633	7,330,093	120	8.3	101,807
Ninth.....	21	21		5,488	897	6,380	4,122,639	304	3.3	196,792
Tenth.....	36	34	2	6,645	1,025	7,670	5,389,902	213	4.7	149,720
The State.....	480	467	13	56,024	6,259	62,283	38,317,581	130	7.7	79,828

The record of the non-fatal accidents, with the total number of employes and tonnage, is presented in the following table for a series of twenty-four years:

TABLE 90—*Non-Fatal Accidents for Twenty-four Years.*

Year.	Number of men injured.	Total number of employes.	Total number of tons of coal mined.	Number of employes to one man injured.	Rate per 1,000.	Number of tons of coal produced to one man injured.
1893.....	231	23,989	12,123,456	104	9.6	52,482
1894.....	197	25,575	12,206,075	130	7.7	61,970
1895.....	176	25,446	11,834,459	145	6.9	67,241
1896.....	171	25,846	11,175,231	151	6.6	66,126
1897.....	180	26,804	12,423,066	149	6.7	69,017
1898.....	179	29,410	14,328,181	164	6.1	80,046
1899.....	201	30,076	14,017,298	150	6.7	69,738
1900.....	294	28,574	15,274,727	97	10.3	51,955
1901.....	367	32,951	15,660,698	90	11.1	42,672
1902.....	370	33,632	17,062,276	91	11.0	46,114
1903.....	403	35,390	19,949,564	88	11.4	49,503
1904.....	521	32,635	17,113,576	63	16.0	32,848
1905.....	605	31,962	17,735,864	53	18.9	29,315
1906.....	672	33,054	19,786,626	49	20.3	29,444
1907.....	518	33,788	20,072,758	65	15.3	38,751
1908.....	438	35,026	18,599,299	80	12.5	42,464
1909.....	597	36,991	23,434,445	62	16.1	39,254
1900.....	611	39,384	25,153,939	65	15.5	41,168
1901.....	423	44,143	26,635,319	104.5	9.6	63,117
1902.....	406	46,005	30,021,300	127	8.8	73,944
1903.....	410	49,814	34,955,400	121	8.2	85,257
1904.....	507	54,774	37,077,897	108	9.3	73,132
1905.....	535	59,230	37,183,374	111	9.0	69,502
1906.....	490	62,283	38,317,581	130	7.7	79,828
Average 24 years....	395	36,531	20,922,684	92.5	10.8	52,907

The number of men injured this year is less than for either of the past two years, while the average for the 24 years is less than the total number for any one year since 1892.

The occupation of the injured is shown in the following table by districts:

TABLE 91—*Non-Fatal Accidents, by Occupation, with Totals and Percentages, by Districts.*

OCCUPATION.	DISTRICTS.										Total.	Per- cent- ages.
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th		
1 Assistant mine manager.....	1	...	...	...	...	...	...	1	0.2
2 Blasters and loaders.....	21	...	...	21	4.4
3 Cagers.....	...	2	...	...	...	1	7	4	...	1	15	3.2
4 Carpenters.....	...	1	...	...	...	...	2	1	...	...	4	0.8
5 Car trimmers.....	...	1	...	...	...	...	2	...	1	...	4	0.8
6 Company men.....	...	8	1	...	...	1	...	...	3	2	15	3.2
7 Drivers.....	6	13	7	6	3	13	23	17	3	9	100	20.8
8 Dumper.....	1	...	1	0.2
9 Electrician.....	1	...	1	0.2
10 Fireman.....	1	1	...	...	...	...	...	2	0.4
11 Greaser.....	1	...	...	...	1	0.2
12 Laborers.....	1	1	...	...	...	2	0.4
13 Loaders.....	1	...	...	1	2	0.4
14 Machinists.....	1	...	...	1	0.2
15 Machine helpers.....	1	3	...	...	4	0.8
16 Machine runners.....	1	...	5	5	1	1	13	2.7
17 Mine examiners.....	1	...	2	3	0.7
18 Mine manager.....	1	...	...	1	0.2
19 Miners.....	54	57	13	7	16	22	30	13	6	13	231	48.2
20 Motormen.....	1	1	2	0.4
21 Pick boy.....	1	...	...	...	1	0.2
22 Pit bosses.....	1	...	...	...	1	2	0.4
23 Roadmen.....	9	...	...	...	...	...	...	2	...	1	12	2.5
24 Shotfirers.....	2	...	...	4	...	2	3	4	15	3.2
25 Shovelers.....	2	...	...	...	2	0.4
26 Sinkers.....	5	...	...	...	5	1.0
27 Spraggers.....	...	2	...	...	...	...	...	...	...	...	2	0.4
28 Timbermen.....	1	2	2	...	...	...	5	1.0
29 Topmen.....	...	2	...	...	...	...	...	1	...	...	3	0.6
30 Trappers.....	1	1	1	1	1	2	1	...	1	...	9	1.9
Totals.....	70	87	24	16	23	47	84	72	21	36	480	.....
Percentages.....	14.6	18.1	5.0	3.3	4.8	9.8	17.5	15.0	4.4	7.5	100.00	.....

The percentages given in the last column of the table shows that the occupations of miners and drivers account for 69 per cent of all the injured.

The conjugal relations of the injured, with the number and average days of lost time, are shown in the following table:

TABLE 92—*Non-Fatal Accidents, Conjugal Relations of the Injured, Dependents, Time Lost—By Districts.*

Districts.	Total injured.	Married.	Single.	Children.	Dependents.	Number recovered and losing time.	Total days lost.	Average days lost.
First	70	47	23	122	147	62	4, 115	66.4
Second	87	47	40	118	165	64	4, 521	70.6
Third	24	11	13	19	31	22	1, 388	62.9
Fourth	16	4	12	16	20	15	908	53.9
Fifth	23	.....	.....	.....	.....	21	970	46.2
Sixth	47	23	24	62	80	44	2, 525	57.4
Seventh	84	44	40	69	111	81	3, 450	42.6
Eighth	72	37	35	84	121	56	3, 029	54.1
Ninth	21	16	5	35	51	21	1, 415	67.4
Tenth	36	27	9	41	66	36	1, 970	51.9
The State....	480	256	201	566	792	422	24, 086	57.1

This table presents the detailed relationship as to families of all the injured excepting 23 in the fifth district. This leaves 457 to be considered; of this number 56 per cent were married men and 44 per cent single. The number reported having recovered from their injuries is 422, each having sustained an average loss of 57 days.

The causes of these accidents are shown in the following table, by districts :

TABLE 93—*Non-Fatal Accidents by Causes, for 1906, by Districts, with Totals and Percentages.*

[illegible]

Table 93—Concluded.

CLASSIFICATION OF CAUSES.	DISTRICTS.										The State	Per- centages.
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th		
10 Electric motors.....						2			3	1	6	1.25
11 Falling bale of hay.....		1									1	0.21
12 Falling coal in mine.....	15	26	4		4	3	24	14	2	5	97	20.21
13 Falling door.....										1	1	0.21
14 Falling down.....					1						1	0.21
15 Falling from cars.....			1			2			1		4	0.63
16 Falling from roof.....							1				1	0.21
17 Falling from scaffold.....							3				3	0.63
18 Falling from tower.....		1									1	0.21
19 Falling pipe.....								1			1	0.21
20 Falling clod, rock, slate.....	46	32	7	4	13	7	14	23	4	6	156	32.50
21 Falling through chute.....							1				1	0.21
22 Falling timbers.....	1	1				1		1	1		5	1.04
23 Flying coal.....	2				1	2		3	1		9	1.88
24 Flying wrench.....		1									1	0.21
25 Gas explosion.....						3			2	2	7	1.46
26 Iron bail.....							1				1	0.21
27 Jack screw.....							2				2	0.41
28 Jumping from cages.....		1					2				3	0.63
29 Jumping from pile props.....		1									1	0.21
30 Mining machines.....							2	2	2	1	7	1.46
31 Mule and prop.....							1				1	0.21
32 Mule, kicked by.....			1				3	2		1	7	1.46
33 Mule running away.....				1							1	0.21
34 Nail in foot.....			1								1	0.21
35 Pick in foot.....										1	1	0.21
36 Pit cars.....	4	18	7	8	3	11	22	21	4	12	110	22.90
37 Prop truck.....							1				1	0.21
38 Powder explosion.....	1	1	1	2		3				1	9	1.88
39 Premature blasts.....						1					1	0.21
40 Railroad cars.....		1		1						1	3	0.63
41 Shaker screen.....								2			2	0.40
42 Sheave wheel.....							1				1	0.21
43 Steam pipe bursting.....		1									1	0.21
44 Tail chain.....						1				1	2	0.40
45 Track rail.....							2				2	0.40
Totals.....	70	87	24	16	23	47	84	72	21	36	450	100.00
Percentages.....	14.88	18.13	5.00	3.33	4.79	9.79	17.50	15.00	4.38	7.50	100.00	

This list shows 45 distinct causes resulting in the injuries sustained by the whole number; twenty-four of these causes each resulted in the injury of only one man, leaving 21 causes accountable for the injury of 456 persons or 95 per cent of the whole number. Falling coal, rock, etc., in the mines, with pit cars, constitute 76 per cent of all the causes. This class of accidents resulting primarily from the use of powder used in blasting coal, is next presented, together with the accidents from falls in the mines and all other causes combined, by districts:

TABLE 94—*Non-Fatal Accidents Caused Primarily by Explosions, Falling Coal, Rock, etc., and by Other Causes, by Districts, for the Year 1906, and for the Five Preceding Years.*

DISTRICTS AND YEARS.	CAUSES—USE OF POWDER.					Total from blasts.	OTHER CAUSES.		Total from other causes.	Total from all causes.
	Blast ex- plosions.	Blast pre- mature.	Blown out charges.	Powder ex- plosions.	Flying coal.		Falling coal, rock, etc.	Miscellaneous.		
First.....				1	2	3	61	6	67	70
Second.....	*1			1		2	58	27	85	87
Third.....			2	1		3	11	10	21	24
Fourth.....				2		2	4	10	14	16
Fifth.....					1	1	17	5	22	23
Sixth.....	†3	1	3	3	2	12	10	25	35	47
Seventh.....	3					3	38	43	81	84
Eighth.....	1				3	4	37	31	68	72
Ninth.....	‡3				1	4	6	11	17	21
Tenth.....	§4		1	1		6	11	19	30	36
1906.....	15	1	6	9	9	40	253	187	440	480
1905.....	†16	3	6	15	13	53	269	213	482	535
1904.....	†12	5	2	29	12	60	264	183	447	507
1903.....	**18	3	12	7	12	52	164	194	358	410
1902.....	††17	1	1	6	5	30	198	178	376	406
1901.....	††3	11	2	5	9	30	233	159	392	422
Six years..	§§81	24	29	71	60	265	1,381	1,114	2,495	2,760

* Dynamite.

† Gas explosions.

‡ Two gas explosions.

§ Two gas explosions.

|| Three gas explosions.

¶ Three gas explosions, three fire damp.

** Five gas explosions.

†† Two gas explosions.

‡‡ Gas explosions.

§§ Twenty-three gas explosions; three fire damp; one dynamite.

This table is arranged in form and detail the same as Table 82, which relates to fatal accidents. Of the 480 accidents, it is here shown that 40 or 8.3 per cent was caused by explosions or resulting therefrom; 253 or 52.7 per cent from falls and 187 or 39 per cent from all other causes. In addition to the presentation by districts for the year, the record is given under the same headings for the five previous years.

The foregoing table is reduced to percentages and is shown in the following table:

TABLE 95—*Non-Fatal Accidents Caused Primarily by the Use of Powder, Falling Coal and Other Causes.*

YEARS.	PERCENTAGES.									
	CAUSES—USE OF POWDER.					Totals from blasts, etc., other causes and all causes.	OTHER CAUSES.		TOTALS.	
	Blast ex- plosions.	Blast pre- mature.	Blown out charges.	Powder explosions.	Flying coal.		Falling clod, coal, rock.	Miscellan- eous.	Use of pow- der, etc.	Other causes.
1906.....	37.50	2.50	15.00	22.50	22.50	100.00	57.50	42.50	8.33	91.67
1905.....	30.19	5.66	11.32	26.30	24.53	100.00	55.81	44.19	9.90	90.10
1904.....	20.00	8.34	3.33	48.33	20.00	100.00	59.06	40.94	11.83	88.17
1903.....	34.62	5.77	23.06	13.46	23.07	100.00	45.81	54.19	12.68	87.32
1902.....	56.67	3.33	3.33	20.00	16.67	100.00	52.66	47.34	7.39	92.61
1901.....	10.00	36.67	6.66	16.67	30.00	100.00	59.44	40.56	7.11	92.89

is shown that non-fatal accidents from the use of powder this considerably less than for either of three previous years. The number of non-fatal accidents from falling roof and sides and from all causes for a series of 24 years is shown in the following table:

16—*Non-Fatal Accidents from Falling Roof and Sides, and Causes, with Percentage Caused by Falling Roof—24*

YEAR.	NON-FATAL ACCIDENTS.			
	Total.	Falling roof and sides.	All other causes.	Per cent caused by falling roof or sides.
.....	231	130	101	56.28
.....	197	135	62	68.53
.....	176	118	58	67.00
.....	171	109	62	63.74
.....	180	124	56	68.88
.....	179	112	67	62.58
.....	201	129	72	64.17
.....	294	196	98	66.66
.....	367	227	140	61.85
.....	370	234	136	63.25
.....	403	254	149	63.03
.....	521	294	227	56.43
.....	605	338	267	55.87
.....	672	373	299	55.51
.....	518	310	208	59.85
.....	438	252	186	60.87
.....	597	335	262	56.12
.....	611	323	288	52.86
.....	422	233	189	55.21
.....	406	198	208	48.77
.....	410	190	220	46.34
.....	507	264	243	52.07
.....	535	271	264	50.66
.....	480	253	227	52.71
.....	9,491	5,402	4,089	56.92

total number injured in the coal mines for the past 24 years was being an average of 395 for each year. Of the total number of accidents received their injuries from falling coal, rock etc., in the average 43.1 per cent attributed to all other causes.

The subject of accidents in mines is closed by the presentation of both the fatal and non-fatal casualties in parallel columns for the past 24 years, with the percentages of the killed and injured from falls for each year and for the entire period:

TABLE 97—Total Number Killed and Injured, with Percentages of all Accidents Caused by Falling Roof or Sides for Twenty-four Years.

YEARS.	NUMBER.			PER CENT BY FALLING ROOF AND SIDES.		
	Killed.	Injured.	Total.	Killed.	Injured.	Total.
1898.....	122	222	344	38	35.22	47.1
1899.....	16	137	153	56.5	42.33	48.35
1900.....	39	170	209	52.3	47	49.28
1901.....	52	171	223	52.5	42.71	46.23
1902.....	41	102	143	42.3	42.82	42.77
1903.....	56	179	235	48	42.52	42.55
1904.....	42	222	264	52.9	44.17	48.73
1905.....	52	232	284	57.9	42.62	45.85
1906.....	92	302	394	55	42.35	42.83
1907.....	57	379	436	42.1	42.25	42.23
1908.....	92	402	494	42.6	42.02	42.32
1909.....	72	522	594	52.3	56.42	52.32
1910.....	75	502	577	50.7	55.87	52.59
1911.....	77	522	599	52.3	55.51	52.21
1912.....	92	512	604	42.7	52.85	42.65
1913.....	75	422	517	57.32	42.87	42.23
1914.....	54	392	446	42.71	56.12	52.62
1915.....	54	511	565	54.3	52.15	52.1
1916.....	52	422	474	56.42	55.22	52.65
1917.....	52	402	454	55.55	42.77	52.1
1918.....	102	410	512	50.62	42.32	47.52
1919.....	137	502	639	42.62	52.07	52.52
1920.....	122	522	644	40.22	50.62	47.22
1921.....	152	422	574	54.2	52.7	52.07
Twenty-four years.....	2,059	9,191	11,250	52.6	56.9	52.15

Here is shown that 2,059 persons have been killed in the coal mines of Illinois during the past 24 years; while 9,191 have met with accidents more or less ruinous to body or limbs, many being crippled for life.

The increase or decrease in men, tons and fatal and non-fatal casualties is shown by percentages for 24 years in the following table:

TABLE 98—*Percentages of Increase and Decrease from Year to Year of Men Employed, Tons Produced, Men Killed and Men Injured for a Series of Twenty-four Years.*

YEAR.	MEN EMPLOYED.		TONS PRODUCED.		KILLED.		INJURED.	
	Increase.	De-crease.	Increase.	De-crease.	Increase.	De-crease.	Increase.	De-crease.
1883 to 1884.....	6.83	.....	0.7	.....	.....	65.67	.....	14.72
1885.....	.....	0.5	.....	3.06	.....	15.22	.....	10.66
1886.....	1.57	.....	.....	5.57	33.33	.....	.....	2.84
1887.....	3.71	.....	11.17	.....	.....	21.15	5.26	.....
1888.....	9.72	.....	15.34	.....	34.15	.....	.....	0.56
1889.....	2.26	.....	.....	2.17	.....	23.64	12.29	.....
1890.....	.....	5.00	8.97	.....	26.2	.....	46.27	.....
1891.....	15.31	.....	2.53	.....	13.2	.....	24.83	.....
1892.....	2.07	.....	8.95	.....	.....	5.00	0.82	.....
1893.....	5.23	.....	16.91	.....	21.05	.....	8.92	.....
1894.....	.....	7.78	.....	14.22	4.35	.....	29.28	.....
1895.....	.....	2.06	3.64	.....	4.17	.....	16.12	.....
1896.....	3.42	.....	11.56	.....	2.67	.....	11.07	.....
1897.....	2.22	.....	1.45	.....	.....	10.4	.....	8.04
1898.....	3.66	.....	.....	7.34	8.7	.....	.....	15.44
1899.....	5.61	.....	26.00	.....	12.00	.....	36.3	.....
1900.....	6.47	.....	7.34	.....	1.19	.....	2.35	.....
1901.....	12.1	.....	5.88	.....	7.4	.....	.....	20.9
1902.....	4.21	.....	12.71	.....	7.4	.....	.....	3.8
1903.....	8.28	.....	16.44	.....	57.58	.....	0.99	.....
1904.....	1.00	.....	6.07	.....	0.64	.....	23.66	.....
1905.....	8.14	.....	0.28	.....	26.75	.....	5.52	.....
1906.....	5.15	.....	3.05	.....	.....	22.11	.....	10.28
24 years.....	164.4	.....	216.1	.....	15.67	.....	107.8	.....

MINERAL RESOURCES OF THE MOUNTAIN STATES IN 1912

The following table shows the physical characteristics of the coal fields of the Mountain States, including the estimated number of acres, the estimated volume of coal, the estimated value of the coal, and the estimated number of persons employed in the coal fields. The data are based on the best available information, and are subject to change as more accurate data become available.

The coal fields of the Mountain States are located in the following States: Colorado, Idaho, Montana, New Mexico, North Dakota, South Dakota, Utah, and Wyoming. The coal fields are of various sizes, and the amount of coal in each field varies greatly. The coal is of various grades, and the value of the coal varies accordingly. The number of persons employed in the coal fields varies from a few hundred to several thousand.

State	Area, acres	Volume, cubic feet	Value, dollars	Persons employed
Colorado	1,200,000	1,200,000,000	1,200,000,000	1,200
Idaho	1,000,000	1,000,000,000	1,000,000,000	1,000
Montana	800,000	800,000,000	800,000,000	800
New Mexico	600,000	600,000,000	600,000,000	600
North Dakota	400,000	400,000,000	400,000,000	400
South Dakota	300,000	300,000,000	300,000,000	300
Utah	200,000	200,000,000	200,000,000	200
Wyoming	100,000	100,000,000	100,000,000	100
Total	4,500,000	4,500,000,000	4,500,000,000	4,500

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

BROWN COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
1	M. F. Bates.....	Mt. Sterling...	1	100	2.0	Dr.	Hd.	P.-R.	Hd...	Hd...	274
2	Noal Sheerer.....	Ripley.....	1	30	2.0	do.	do.	do.	do.	do.	245
3	Thomas Lewis.....	do.....	1	30	2.0	do.	do.	do.	do.	do.	240
4	Geo. Adams.....	Mt. Sterling...	1	30	2.0	do.	do.	do.	do.	do.	200
5	Louis Hedrick.....	do.....	1	30	2.0	do.	do.	do.	do.	do.	200
6	Ed Six.....	do.....	1	30	2.0	do.	do.	do.	do.	do.	190
7	J. Hedrick.....	Ripley.....	1	30	2.0	do.	do.	do.	do.	do.	180
8	J. Howard.....	Mt. Sterling...	1	30	2.0	do.	do.	do.	do.	do.	165
8 Mines.....											1,694

BUREAU COUNTY.

1	Spring Valley Coal Co. No.1	Spring Valley.	2	360	3.6	Sh.	St.	L. W.	Mule	Hd...	271,909
2	Spring Valley Coal Co. No.2	do.....	2	385	3.6	do.	do.	do.	do.	do.	241,839
3	Ill. Third Vein Coal Co. No.1	Ladd.....	2	460	3.6	do.	do.	do.	do.	do.	239,830
4	Spring Valley Coal Co. No.4	Spring Valley.	2	400	3.6	do.	do.	do.	do.	do.	237,296
5	Spring Valley Coal Co. No.5	do.....	2	420	3.6	do.	do.	do.	do.	do.	218,201
6	Spring Valley Coal Co. No.3	do.....	2	481	3.6	do.	do.	do.	do.	do.	138,173
7	Marquette Coal Co. No.1....	Marquette.....	2	300	3.6	do.	do.	do.	do.	do.	100,212
8	St. Paul Coal Co. No.2.....	Cherry.....	6	317	5.0	do.	P.-R.	do.	do.	do.	75,333
9	Donahue & Moran.....	Sheffield.....	6	75	4.6	Hr.	Ho.	do.	Hd...	do.	7,940
10	Wm. Brandt & Son.....	Mineral.....	6	40	4.6	do.	do.	do.	do.	do.	4,975
11	James Weare.....	Sheffield.....	6	50	4.6	do.	do.	do.	do.	do.	2,882
12	Nelson & Scott.....	do.....	6	51	4.6	do.	do.	do.	do.	do.	2,116
13	Wm. Smith.....	Princeton.....	6	150	4.6	do.	do.	do.	do.	do.	1,478
14	John Griffith & Son.....	do.....	6	200	4.6	do.	do.	do.	do.	do.	1,406
15	Thomas Herrington.....	do.....	6	145	4.6	do.	do.	do.	do.	do.	1,364
16	A. W. Walton.....	do.....	6	150	4.6	do.	do.	do.	do.	do.	680
17	John Duncan.....	Sheffield.....	6	20	4.6	Sl.	do.	do.	do.	do.	602
18	C. W. Riley.....	do.....	6	50	4.3	Sh.	do.	do.	do.	do.	500
19	A. G. Norien.....	Tiskilwa.....	7	20	3.6	do.	do.	do.	do.	do.	400
20	Chas. Gotheridge.....	Sheffield.....	6	50	4.3	do.	do.	do.	do.	do.	240
21	N. Sweringen.....	Neponset.....	6	40	4.4	do.	do.	do.	do.	do.	80
21 mines.....											1,547,456

CALHOUN COUNTY.

1	Thomas Press B. Co., No.1.	Golden Eagle.	1	2.4	Dr.	Ho.	P.-R.	Mule	Hd...	3,000
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Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

CASS COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holting—steam, horse, hand	Long wall, pillar and room.	Haalage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
1	William Shore.....	Chandlerville.	2	64	2.6	Sh.	H o	P. R.	Hd ...	Hd ...	750

CHRISTIAN COUNTY.

[illegible]

CLINTON COUNTY.

[illegible]

EDGAR COUNTY.

[illegible]

FRANKLIN COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

FULTON COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule cable, electric.	Mine—hand, machine, both.	Total tons.
1	Big Creek Coal Co. No. 2.	St. David.	5	45	5.0	Dr.	St.	P.-R.	M.-M	Hd.	234,596
2	Maplewood Coal Co. No. 1.	Farmington	5	85	4.4	Sh.	do.	do.	Mule	do.	202,458
3	Monmouth Coal Co. No. 1.	Brereton	5	89	4.6	do.	do.	do.	do.	do.	198,147
4	Maplewood Colliery Co. No. 2	Farmington	5	145	4.4	do.	do.	do.	do.	do.	158,562
5	Whitebreast Fuel Co., E.	Dunfermline	5	90	5.0	do.	do.	do.	do.	do.	141,864
6	Norris Coal Mining Co.	Norris	5	185	4.6	do.	do.	do.	do.	do.	125,000
7	Applegate & Lewis.	Cuba	5	90	5.0	do.	do.	do.	do.	do.	70,276
8	Whitebreast Fuel Co.	Dunfermline	5	90	5.0	do.	do.	do.	M.-C.	do.	53,662
9	Newsam Brothers.	Farmington	5	90	4.4	do.	do.	do.	M.-C.	do.	50,088
10	East Cuba Coal Mining Co.	Cuba	5	85	5.0	do.	do.	do.	Mu	do.	46,700
11	Astoria Woodland Coal Co.	Astoria	5	65	6.0	do.	do.	do.	do.	do.	30,913
12	Canton Coal Co. No. 1.	Canton	5	69	5.0	do.	do.	do.	do.	do.	29,918
13	Eagle Mining Co. No. 1.	do.	5	100	5.0	do.	do.	do.	do.	do.	51,699
14	Farmington Coal Co. No. 1.	Farmington	5	145	4.4	do.	do.	do.	do.	do.	23,584
15	Canton Union Coal Co.	Cuba	5	85	5.0	do.	do.	do.	do.	do.	21,105
16	Star Coal Co. No. 1.	Cuba	5	75	5.0	Sl.	do.	do.	M.-C.	do.	21,072
17	Spoon River Coal Co. No. 1.	Ellisville.	5	36	4.0	Sh.	do.	do.	Mu	do.	18,357
18	Monarch Coal & Mining Co.	Farmington	5	82	4.4	do.	do.	do.	do.	do.	12,298
19	J. A. Riley	Breeds	5	80	4.6	Dr.	Mu	do.	do.	do.	9,152
20	Big Creek Coal Co. No. 1.	St. David	5	45	5.0	Sh.	St.	do.	do.	do.	5,487
21	The Galesburg Supply Co.	Parrville.	5	40	5.0	Dr.	Mu	do.	do.	do.	4,388
22	Big Creek Coal Co. No. 3.	Cuba	5	40	5.0	Sh.	St.	do.	do.	do.	4,242
23	Besser & Fritz Min'g Co. No. 1	Parrville.	5	40	5.0	Dr.	Mu	do.	do.	do.	3,000
24	Standard Co-operative Co'l Co	Canton	5	70	4.6	Sh.	St.	do.	do.	do.	12,420
25	W. D. Myers.	do.	5	80	4.6	do.	do.	do.	do.	do.	7,220
26	Wm. Roddis No. 1.	Ipava	5	25	6.0	Sl.	Mu	do.	do.	do.	4,900
27	G. H. Emberling No. 1.	Ellisville.	5	40	4.0	Sh.	St.	do.	Hd.	do.	3,250
28	Frank Alward No. 1.	Canton	5	20	4.6	Sl.	do.	do.	Mu	do.	3,200
29	J. K. Yocum No. 1.	Lewistown.	2	60	2.6	Sh.	Ho.	do.	Hd.	do.	3,744
30	L. R. Snider No. 1.	St. David	5	40	4.6	Sl.	do.	do.	do.	do.	3,100
31	W. E. Anderson No. 1.	Fairview	5	24	4.6	Sh.	do.	do.	do.	do.	3,000
32	Joseph McLaughlin No. 1.	Canton	5	14	4.6	Sl.	do.	do.	do.	do.	2,840
33	A. McBroom No. 1.	do.	5	12	4.6	do.	St.	do.	do.	do.	2,630
34	Wm. Hagey No. 1.	Lewistown.	2	100	2.6	Sh.	do.	do.	do.	do.	3,060
35	C. W. Westfield No. 1.	Canton	5	20	4.6	Sl.	do.	do.	do.	do.	2,268
36	Anderson, Seville & Stockler.	do.	5	24	4.6	Sh.	do.	do.	do.	do.	2,000
37	A. J. Gunnett No. 1.	Fairview	5	40	4.6	Dr.	Hd.	do.	do.	do.	1,455
38	Wages & Burbridge.	Canton	5	12	4.6	Sl.	Ho.	do.	do.	do.	1,424
39	Henry Vice No. 1.	Fairview	5	45	4.6	Dr.	Hd.	do.	do.	do.	1,060
40	Edwin Knickerbocker No. 1.	do.	5	30	4.6	do.	do.	do.	do.	do.	1,000
41	Martin & Son No. 1.	Canton	5	45	4.6	do.	do.	do.	do.	do.	960
42	J. C. Rowden No. 1.	Cuba	5	20	4.6	do.	Ho.	do.	do.	do.	920
43	R. E. Gould & Co. No. 1.	Fairview	5	60	4.6	Sl.	do.	do.	do.	do.	820
44	Horace Boozell No. 1.	Ipava	1	45	2.6	Dr.	Hd.	do.	do.	do.	800
45	John Haynes No. 1.	Canton	5	40	4.6	do.	Ho.	do.	do.	do.	800
46	P. J. Tingley No. 1.	Vermont	2	27	2.4	Sh.	do.	do.	do.	do.	800
47	Mordeca Morris No. 1.	Flatt	5	35	4.6	Dr.	Hd.	do.	do.	do.	662
48	John Parr No. 1.	London Mills.	5	35	4.6	do.	do.	do.	do.	do.	640
49	Adams & Huff No. 1.	Cuba	5	14	4.6	Sl.	Ho.	do.	do.	do.	640
50	Wm. Murphy & Son No. 1.	Canton	3	30	4.6	Dr.	Hd.	do.	do.	do.	640
51	J. M. Davis No. 1.	Vermont	2	22	2.4	Sh.	St.	do.	do.	do.	540
52	Henry B. Green No. 1.	Canton	5	20	4.6	do.	Ho.	do.	do.	do.	624
53	Wm. Stokes No. 1.	Canton	5	30	4.6	Dr.	Hd.	do.	do.	do.	600
54	James Mey. No. 1.	Lewistown.	2	48	2.6	Sh.	Ho.	do.	do.	do.	600
55	C. A. Frayall, No. 1.	Farmington.	6	56	4.0	do.	St.	do.	do.	do.	784
56	Daniel Williams, No. 1.	Rapatee	6	60	4.0	Dr.	Hd.	do.	do.	do.	490
57	N. A. Rowden, No. 1.	Cuba	5	40	4.6	do.	do.	do.	do.	do.	490
58	George Gibboney, No. 1.	Ipava.	5	30	6.0	do.	do.	do.	do.	do.	400
59	Harry Dilts.	Glassford, R. R. No. 8.	5	14	4.6	Sl.	Ho.	do.	do.	do.	840

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

FULTON COUNTY—Concluded.

[illegible]

GALLATIN COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

GREENE COUNTY.

[illegible]

GRUNDY COUNTY.

[illegible]

HANCOCK COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

HENRY COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slop, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
1	Kewanee C. & M. Co. No. 1.	Kewanee	6	106	4.0	Sh.	St.	P. R.	Mule.	Hd.	77,535
2	Atlas Coal Co. No. 3.	Galva	6	61	4.0	do.	do.	do.	Hd.	do.	11,080
3	Briar Bluff Coal Co.	Briar Bluff	1	...	3.0	Dr.	Mu.	do.	Mule.	do.	3,797
4	Herdien Coal Co. No. 16.	Galva	6	50	4.0	Sh.	St.	do.	Hd.	do.	15,375
5	Kewanee Co-op Coal Co.	Kewanee	6	60	4.0	do.	do.	do.	do.	do.	9,397
6	Bates Bros.	do.	6	67	4.0	do.	Ho.	do.	do.	do.	7,428
7	Emil Ahlgren.	do.	6	20	4.0	Sl.	do.	do.	do.	do.	5,655
8	Fred Henay.	do.	6	55	4.0	Sh.	do.	do.	do.	do.	3,780
9	Matt Atchinson.	do.	6	20	4.0	Sl.	do.	do.	do.	do.	3,694
10	John Becker & Son.	do.	6	25	4.0	do.	do.	do.	do.	do.	3,010
11	Fairlie Bros. & Co.	Cambridge.	3	136	2.8	Sh.	St.	do.	Mule.	do.	2,850
12	Thos. Martin & Co.	Kewanee	6	66	4.0	do.	Ho.	do.	Hd.	do.	2,680
13	North Main Coal Co.	do.	6	56	4.0	do.	St.	do.	do.	do.	2,477
14	Hartman & Bocroft.	Atkinson	3	30	3.0	do.	do.	do.	do.	do.	2,465
15	E. B. Kay.	do.	3	28	3.0	do.	do.	do.	do.	do.	2,094
16	Jeff. Glenn.	Green River.	1	50	3.0	do.	Ho.	do.	do.	do.	2,040
17	Kewanee Min. & Mfg. Co.	Kewanee	6	90	4.0	do.	St.	do.	do.	do.	1,316
18	Max Groy.	do.	6	50	4.0	do.	Ho.	do.	do.	do.	1,168
19	Elzy H. Omel.	Atkinson	3	20	3.0	do.	St.	do.	do.	do.	696
20	Ed. Wells.	Briar Bluff	1	...	3.0	Dr.	Ho.	do.	do.	do.	640
21	R. E. Malven.	Kewanee	6	45	4.0	Sh.	do.	do.	do.	do.	560
22	George Martin.	do.	6	...	4.0	Dr.	Hd.	do.	do.	do.	510
23	Sam Tharp & Co.	do.	6	28	4.0	Sl.	Ho.	do.	do.	do.	500
24	Leo Malven.	do.	6	30	4.0	do.	do.	do.	do.	do.	480
25	Joseph Carter.	do.	6	16	4.0	do.	do.	do.	do.	do.	428
26	John Summerson.	Coal Valley.	1	...	3.6	Dr.	Hd.	do.	do.	do.	274
27	H. C. Finch.	Kewanee	6	20	4.0	Sl.	Ho.	do.	do.	do.	240
28	Ed. Kimmerling.	do.	6	25	4.0	Sl.	St.	do.	do.	do.	220
29	Wm. Lamb.	do.	6	20	4.0	do.	Ho.	do.	do.	do.	40
29 mines.											162,429

JACKSON COUNTY.

1	Mudd Val. Min. & Mfg. Co., No. 1.	Hallidayboro.	7	165	6.3	Sh.	St.	P. R.	M. C.	Hd.	177,911
2	Big Muddy Coal & Iron Co., No. 6.	Murphysboro.	2	150	6.3	do.	do.	do.	Mule	Mch.	148,441
3	Big Muddy Coal & Iron Co.	do.	2	150	6.6	do.	do.	do.	M. C.	do.	120,313
4	Inland Coal & Washing Co.	DeSota	7	60	9.0	do.	do.	do.	Mule	Hd.	88,093
5	Gus Blair Big Muddy Coal Co., No. 1.	Murphysboro.	2	125	6.6	do.	do.	do.	M. C.	Mch.	54,812
6	Chicago & Carbondale Coal Co., No. 1.	DeSota	7	90	9.0	do.	do.	do.	Mule	Hd.	50,000
7	Gartside Coal Co., No. 3.	Murphysboro.	2	146	6.6	do.	do.	do.	do.	Mch.	46,031
8	Gartside Coal Co., No. 4.	do.	2	148	6.6	do.	do.	do.	do.	do.	37,563
9	Big Muddy Coal & Iron Co., No. 9.	do.	2	150	6.6	do.	do.	do.	do.	Hd.	8,512
10	Peacock Coal Co., No. 1.	DeSota	7	61	9.0	do.	do.	do.	do.	do.	6,000
11	Schmidgall Coal Co., No. 1.	Murphysboro.	1	120	3.4	do.	do.	do.	do.	Mch.	4,120
12	John A. Young.	Oraville.	2	50	4.0	do.	Ho.	do.	do.	Hd.	4,562
13	Elmer Sponcler.	Carbondale.	7	34	7.0	do.	St.	do.	do.	do.	4,358
14	H. S. Phillips.	do.	7	25	7.0	do.	Ho.	do.	do.	do.	2,500
15	W. H. Myers.	do.	7	40	7.0	do.	do.	do.	do.	do.	1,500
16	W. R. Campbell.	Vergennes.	2	17	3.6	do.	do.	do.	do.	do.	1,398

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

JACKSON COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
17	Nisbet & Edwards.....	Ava.....	2	...	4.0	Dr.	do.	..do.	..do.	..do.	1,200
18	John Herman.....	Oraville.....	2	22	4.0	Sl.	do.	..do.	..do.	..do.	800
19	David Davidson.....	Campbell Hill.....	5	7	3.0	Dr.	Hd.	..do.	..do.	..do.	758
20	J. B. Schimpf.....	Vergennes.....	2	50	3.6	Sl.	Ho.	..do.	..do.	..do.	504
21	V. L. Church.....	Ava.....	2	65	4.0	do.	do.	..do.	..do.	..do.	386
22	Michael Schaffer.....	..do.	2	20	4.0	do.	do.	..do.	..do.	..do.	206
22 mines.....											759,962

JEFFERSON COUNTY.

1	Jefferson County Coal Co...	Mt. Vernon...	7	863	4.10	Sh.	St.	P.-R.	Mule	Hd...	20,292
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JOHNSON COUNTY.

1	J. W. Tyler.....	New Burnside.....	2	30	3.4	Sl.	Ho.	P.-R.	Mule	Hd...	512
2	Edwards & White.....	..do.	2	25	3.4	Dr.	Ha.	..do.	..do.	..do.	400
2 mines.....											912

KANKAKEE COUNTY.

1	The Consol. Coal & Iron Co.	Clark City.....	7	108	4.8	Sh.	St.	P.-R.	Mule	Hd...	28,419
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KNOX COUNTY.

1	Etherley Coal Co., No. 3...	Etherley.....	6	...	4.0	Dr.	Ho.	P. R.	Mule	Hd...	20,466
2	Galva Coal Co.....	Wataga.....	6	68	4.0	Sh.	St.	..do.	Hd...	..do.	5,820
3	Pendergast Bros.....	Galesburg.....	1	100	4.6	do.	do.	..do.	..do.	..do.	4,878
4	Rodell & Mitchell.....	Wataga.....	6	52	4.0	do.	Ho.	..do.	..do.	..do.	3,990
5	Geo. W. Essex.....	Galesburg.....	1	106	4.0	do.	St.	..do.	..do.	..do.	2,760
6	George Clifford & Son.....	Altona.....	6	30	4.0	Sl.	Ho.	..do.	..do.	..do.	1,840
7	Hand & Cadwell.....	Williamsfield.....	6	10	4.0	do.	do.	..do.	..do.	..do.	1,808
8	Albert Wahlberg.....	Knoxville.....	3	45	3.0	Sh.	do.	..do.	..do.	..do.	1,780
9	Louis Nodine & Son.....	Wataga.....	6	30	4.0	Sl.	do.	..do.	..do.	..do.	1,312
10	Jesse Hillier.....	Rapatee.....	5	...	3.8	Dr.	Hd.	..do.	..do.	..do.	1,280
11	Terence McGovern.....	Oneida.....	6	50	4.0	Sh.	Ho.	..do.	..do.	..do.	1,200
12	Nels Kennedy.....	Delong.....	3	...	3.0	Dr.	Hd.	..do.	..do.	..do.	1,000
13	Peter Sornberger & Bros...	Victoria.....	6	10	4.0	Sl.	Ho.	..do.	..do.	..do.	1,000
14	S. G. McGovern.....	Oneida.....	6	46	4.0	Sh.	do.	..do.	..do.	..do.	1,550
15	Gus Simpson & Bros.....	..do.	6	16	4.0	Sl.	do.	..do.	..do.	..do.	960
16	G. W. Bowman.....	Yates City.....	6	35	4.6	Sh.	St.	..do.	..do.	..do.	936
17	Lindsey Bros.....	Middle Grove.....	5	...	3.8	Dr.	Hd.	..do.	..do.	..do.	920
18	Charles Spencer.....	Victoria.....	6	20	4.0	Sh.	Ho.	..do.	..do.	..do.	800
19	Ed Peterson.....	Etherley.....	6	12	4.0	Sl.	do.	..do.	..do.	..do.	728

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

KNOX COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches	Shaft—slope, drift.	Holsting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
20	John Walsh	Victoria	6	15	4.0	Dr.	Ho.	P. R.	Hd.	Hd.	650
21	John Robinson	do.	5	24	4.0	Sh.	do.	do.	do.	do.	640
22	D. J. Foster	Rapatee	5	3	8	Dr.	Hd.	do.	do.	do.	600
23	H. E. Bonney	Abingdon	12	10	1.8	Sl.	do.	do.	do.	do.	560
24	Ben Thorne	Etherley	5	4	0	Dr.	Ho.	do.	do.	do.	520
25	Will Foster	Abingdon	12	4	1.8	Sl.	Hd.	do.	do.	do.	480
26	James Nelson	Knoxville	52	40	3.0	Sh.	Ho.	do.	do.	do.	434
27	John Todd	Victoria	5	4	0	Dr.	Hd.	do.	do.	do.	400
28	Hankstrom Bros	Oneida	5	28	4.0	Sh.	Ho.	do.	do.	do.	400
29	P. Lundeen & Son	Knoxville	52	37	3.0	do.	do.	do.	do.	do.	400
30	Lee Lomax	Abingdon	12	1	8	Dr.	Hd.	do.	do.	do.	360
31	N. C. Anderson	Knoxville	52	3	0	do.	do.	do.	do.	do.	344
32	M. Poole	Abingdon	12	1	10	do.	do.	do.	do.	do.	320
33	Bowman Bros.	Yates City	51	97	3.0	Sh.	St.	do.	Mule	do.	300
34	J. C. McCullough	Abingdon	12	10	1.6	Sl.	Hd.	do.	Hd.	do.	300
35	Cross & Carson	do.	12	1	8	Dr.	do.	do.	do.	do.	240
36	John Myers	Etherley	5	4	0	do.	do.	do.	do.	do.	200
37	Gus Lumberg	Yates City	51	12	4.6	Sl.	Ho.	do.	do.	do.	200
38	William Fish	Dahinda	5	20	4.0	do.	do.	do.	do.	do.	160
39	Frank Brown	Knoxville	52	3	0	Dr.	Hd.	do.	do.	do.	140
40	Chas. Morgan	Oneida	5	20	4.0	Sl.	Ho.	do.	do.	do.	120
41	John Wilkins	Abingdon	12	6	1.8	do.	Hd.	do.	do.	do.	120
42	P. A. Switzer	Wataga	5	4	0	Dr.	do.	do.	do.	do.	120
43	Wm. Nelson	Victoria	5	4	0	do.	do.	do.	do.	do.	120
44	Jacob Burgess	Abingdon	12	1	8	do.	do.	do.	do.	do.	50
45	Frank Quinn	do.	12	1	8	do.	do.	do.	do.	do.	40
46	Elmer McGrew	do.	12	1	8	do.	do.	do.	do.	do.	40
46 mines											63,286

LASALLE COUNTY.

1	LaSalle Co. Carb. C. Co. No. 1	LaSalle	2	440	3.6	Sh.	St.	L. W.	Mule.	Hd.	174,928
2	LaSalle Co. Carb. C. Co. Union	do.	12	375	3.6	do.	do.	do.	do.	do.	150,664
3	Acme Coal Co.	Streator	7	110	6.6	do.	do.	P. R.	M. C.	do.	143,342
4	Oglesby Coal Co. No. 1	Oglesby	12	464	3.6	do.	do.	L. W.	M. Mo.	do.	143,243
5	LaSalle Co. Carb. C. Co. Las.	LaSalle	12	382	3.6	do.	do.	do.	Mule.	do.	133,165
6	LaSalle Co. C. C. Co. Rockwell	do.	12	390	3.6	do.	do.	do.	do.	do.	122,997
7	Matthiesen & Hegelerzine	do.	51	310	4.6	do.	do.	P. R.	do.	do.	116,750
8	Chi. Wil. & Ver. C. Co. No. 2	Streator	12	245	3.6	do.	do.	L. W.	do.	do.	103,186
9	Star Coal Co. No. 5	Kangley	7	66	50	do.	do.	P. R.	do.	do.	88,128
10	Chi. Wil. & Ver. C. Co. No. 1	Streator	12	212	3.0	do.	do.	L. W.	do.	do.	86,107
11	Illinois Zinc Co. No. 1	Peru	12	130	3.0	do.	do.	do.	M. C.	do.	73,220
12	James Cahill Estate, No. 1	do.	12	350	3.6	do.	do.	do.	Mule.	do.	56,099
13	Mrs. E. Hskes, No. 2	Rutland	12	500	2.9	do.	do.	do.	do.	do.	53,753
14	Star Coal Co. No. 4	Kangley	7	200	3.0	do.	do.	do.	do.	do.	35,764
15	The Howe Coal Co. No. 1	Streator	1	87	5.0	do.	do.	P. R.	do.	do.	33,155
16	Munts Bros. No. 2	do.	7	61	4.0	do.	Hd.	do.	do.	do.	10,919
17	N. Wilmington C. Co. No. 1	Seneca	12	112	3.0	do.	St.	L. W.	do.	do.	6,986
18	William Francis & Co. No. 1	Streator	7	112	9.0	do.	do.	P. R.	Hd.	do.	4,176
19	Manufacture Coal Co. No. 1	Marshall	12	120	2.10	do.	do.	L. W.	Mule.	do.	21,573
20	Evans Bros., No. 2	Streator	7	55	5.0	do.	Ho.	P. R.	Hd.	do.	5,800
21	Joe Sowerly & Co. No. 2	do.	7	50	4.0	Sl.	do.	do.	Mule.	do.	5,100
22	Haar Bros., No. 2	do.	7	40	4.6	Sh.	do.	do.	Hd.	do.	4,800
23	Ed Evans & Co. No. 2	do.	7	60	4.6	do.	do.	do.	do.	do.	4,000
24	Louis Evans & Son, No. 1	Kangley	7	25	4.0	Sl.	do.	do.	Mule.	do.	3,450
25	Matthew White, No. 1	Ottawa	12	30	2.8	Sh.	do.	do.	Hd.	do.	2,600
26	Netson & Stokes, No. 2	Streator	7	14	5.0	do.	do.	do.	do.	do.	2,400
27	Wm. McMillen No. 2	do.	7	34	5.0	do.	do.	do.	do.	do.	2,299

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

MACON COUNTY.

[illegible]

MACOUPIN COUNTY.

1	Superior Coal Co., No. 1.	Gillespie.....	5	348	8.0	Sh.	St.	P.-R.	Air M.	Mch.	480,	259
2	Superior Coal Co., No. 2 ..	do.....	5	324	8.0	do.	do.	do.	Mule	do.	457,	853
3	Consolidated Coal Co., No. 15	Mt. Olive.....	5	362	8.0	do.	do.	do.	do.	do.	234,	759
4	Illinois Collieries Co., No. 1.	Virden.....	5	320	7.6	do.	do.	do.	Mo.	do.	234,	922
5	Royal Colliery Co., No. 1....	do.....	5	350	6.6	do.	do.	do.	Mule	Hd.	231,	177
6	Illinois Collieries Co., No. 5.	Girard.....	5	360	7.0	do.	do.	do.	do.	do.	213,	590
7	Consolidated Coal Co., No. 14	Staunton.....	5	325	7.0	do.	do.	do.	do.	Mch.	206,	448
8	Madison Coal Co., No. 5.....	Mt. Olive.....	5	425	8.0	do.	do.	do.	do.	do.	184,	407
9	Consolidated Coal Co., No. 8 ..	do.....	5	410	8.0	do.	do.	do.	Mo.	do.	182,	927
10	Consolidated Coal Co., No. 10	do.....	5	431	8.0	do.	do.	do.	do.	do.	172,	827
11	Consolidated Coal Co., No. 6	Staunton.....	5	322	8.0	do.	do.	do.	Rope	do.	155,	415
12	Green Ridge Coal Co., No. 1 ..	Green Ridge ..	5	360	6.0	do.	do.	do.	Mule	Hd.	119,	559
13	Consolidated Coal Co., No. 6	Staunton.....	5	350	7.0	do.	do.	do.	do.	Mch.	107,	602
14	Superior Coal Co., No. 3.....	Gillespie.....	5	350	8.0	do.	do.	do.	do.	do.	66,	334
15	Carlinville Coal Co., No. 1....	Carlinville.....	5	375	6.0	do.	do.	do.	do.	Hd.	54,	339
16	Illinois Collieries Co., No. 4 ..	Virden.....	5	330	7.6	do.	do.	do.	do.	do.	43,	457
17	Consolidated Coal Co.....	Gillespie.....	Pkt	360	6.0	do.	do.	do.	do.	Mch.	32,	101
18	Prairie State Coal Co.....	Nilwood.....	5	340	6.0	do.	do.	do.	do.	Hd.	19,	236
19	Consolidated Coal Co.....	Hornsby.....	5	420	6.0	do.	do.	do.	do.	Mch.	16,	812
20	Wm. Neil & Co.....	Bunker Hill ..	5	250	5.6	do.	do.	do.	do.	do.	5,	248
21	Bausser & Truesdale.....	do.....	5	245	5.6	do.	do.	do.	Hd.	Hd.	3,	174
22	Davis Bros.....	Fayetteville ..	Pkt	30	Pkt	do.	do.	do.	do.	do.	2,	420
23	Chas. Lyle.....	Brighton.....	5	57	do.	Ho.	do.	do.	do.	do.	1,	364
24	James Harbough.....	Chesterfield ..	Pkt	50	Pkt	do.	do.	do.	do.	do.	910	
25	Fritz Jordan.....	Bunker Hill ..	5	245	5.6	do.	do.	do.	do.	do.	960	
26	G. B. Loper.....	Chesterfield ..	Pkt	52	Pkt	do.	do.	do.	do.	do.	687	
27	Louis Luking.....	Brighton.....	5	60	5.6	do.	do.	do.	do.	do.	480	
28	Cairns & Bott.....	do.....	Pkt	17	do.	do.	do.	do.	do.	do.	480	
29	H. S. Duggan.....	Scottville.....	do.	30	Pkt	do.	do.	do.	do.	do.	240	
29 mines.....											3,241,087	

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

MADISON COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule cable, electric.	Mine—hand, machine, both.	Total tons.
1	Mt. Olivé & St'n C. C. No. 2	Staunton.....	5	300	7.0	Sh.	St.	P.-R.	Mule	Mch.	349,455
2	Donk Bros. C. & C. Co. No. 1	Donkville.....	6	135	7.0	do.	do.	do.	Mo.	Hd.	343,184
3	Mt. Olive & St'n C. C. No. 1	Staunton.....	5	292	7.0	do.	do.	do.	do.	Mch.	324,232
4	Donk Bros. C. & C. Co. No. 2	Maryville.....	6	245	7.0	do.	do.	do.	Mule	do.	284,225
5	Donk Bros. C. & C. Co. No. 3	Troy.....	7	280	5.0	do.	do.	do.	Mo.	Hd.	249,529
6	Lumaghi Coal Co. No. 2	Cantine.....	6	170	7.0	do.	do.	do.	Mule	Mch.	218,414
7	Madis'n Coal Corpor'n No. 4	Glen Carbon.....	6	130	7.0	do.	do.	do.	do.	do.	204,931
8	Madis'n Coal Corpor'n No. 2	do.	6	110	6.6	do.	do.	do.	do.	do.	203,188
9	New Staunton Coal Co.	Livingston.....	6	287	6.6	do.	do.	do.	do.	do.	185,490
10	DeCamp Coal Mining Co.	Staunton.....	5	183	6.6	do.	do.	do.	do.	do.	138,697
11	Edwardsville Coal Co.	Edwardsville.....	6	217	6.0	do.	do.	do.	do.	do.	101,953
12	Lumaghi Coal Co. No. 3	Collinsville.....	6	165	7.0	do.	do.	do.	do.	do.	89,736
13	Consolidated Coal Co.	do.	6	168	7.0	do.	do.	do.	do.	do.	77,468
14	Consolidated Coal Co.	do.	6	146	6.6	do.	do.	do.	do.	do.	64,424
15	Henrietta Coal Co.	Edwardsville.....	6	180	6.0	do.	do.	do.	do.	do.	49,536
16	Kerns Donnewald Coal Co.	Worden.....	5	270	7.0	do.	do.	do.	do.	do.	41,852
17	Consolidated Coal Co.	Troy.....	7	278	5.0	do.	do.	do.	do.	Hd.	32,161
18	Interstate Coal Co.	Worden.....	5	275	6.0	do.	do.	do.	do.	Mch.	29,710
19	Home Trade Coal Co.	Edwardsville.....	6	131	4.0	do.	do.	do.	do.	Hd.	13,245
20	Abbey Coal & Mining Co.	Collinsville.....	6	200	6.0	do.	do.	do.	do.	do.	9,647
21	Bullock Bros. Coal Co.	do.	6	170	6.0	do.	do.	do.	do.	do.	5,809
22	Perry Meyer.....	Bethalto.....	6	65	4.0	do.	Ho.	do.	Hd.	do.	2,400
23	Milfs Bros.....	New Douglas.....	5	426	do.	do.	St.	do.	do.	do.	2,512
24	Geo. Kabell.....	Moro.....	6	87	4.0	do.	Ho.	do.	do.	do.	2,104
25	Peter Sydel.....	North Alton.....	1	65	2.6	do.	do.	do.	do.	do.	1,233
26	M. F. Backs.....	Carpenter.....	5	150	6.0	do.	do.	do.	do.	do.	1,075
27	Frank Eccles.....	North Alton.....	1	75	2.6	do.	do.	do.	do.	do.	900
28	Ernest Rink.....	Bethalto.....	6	65	4.0	do.	St.	do.	do.	do.	848
29	James M. Hill.....	do.	6	75	4.0	do.	do.	do.	do.	do.	765
30	John Spencer.....	do.	6	75	4.0	do.	do.	do.	do.	do.	680
31	Geo. H. Miller.....	North Alton.....	1	55	2.6	do.	do.	do.	do.	do.	528
32	Sam McDonald.....	Bethalto.....	6	40	4.0	do.	do.	do.	do.	do.	460
33	Theo. Schuller.....	Worden.....	5	165	7.0	do.	do.	do.	do.	do.	431.
34	John Richardson.....	Moro.....	6	48	4.0	do.	Ho.	do.	do.	do.	360
35	F. R. Frerichs.....	Upper Alton.....	1	80	2.6	do.	do.	do.	do.	do.	209
36	M. Meyer.....	Fosterburg.....	6	70	4.0	do.	do.	do.	do.	do.	162
36 mines.....											3,031,553

MARION COUNTY.

1	P. & D. M. & Mfg. Co. 3 & 4	Centralia.....	6	635	6.0	Sh.	St.	P.-R.	M.-E.	Hd.	400,465
2	Centralia M. & M. Co. No. 2	do.	6	576	6.0	do.	do.	do.	do.	do.	192,639
3	Odin Coal Co. No. 1	Odin.....	6	714	6.0	do.	do.	do.	do.	Mch.	121,668
4	Sandoval C. & M. Co. No. 2	Sandoval.....	6	600	6.0	do.	do.	do.	Mule.	Hd.	64,686
5	Sandoval C. & M. Co. No. 1	do.	6	609	6.0	do.	do.	do.	M.-C.	do.	40,197
6	Kinmundy Coal Co.	Kinmundy.....	6	871	4.0	do.	do.	do.	Mule.	do.	6,486
6 mines.....											826,280

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

MARSHALL COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule cable, electric.	Mine—hand, machine, both.	Total tons.
1	Devlin Coal Co., No. 1.....	Toluca.....	2	512 2.9	Sh.	St.	L. W.	Mo.	Hd.	290,832	
2	Wenona Coal Co., No. 1.....	Wenona.....	2	555 2.10	do.	do.	do.	Cable	do.	105,735	
3	Marquette 3d Vein C.Co.No.2	Sparland.....	2	164 2.6	do.	do.	do.	do.	do.	30,908	
4	Frank A. Barr.....	do.	7	65 4.0	Dr.	Hd.	P. R.	Hd.	do.	4,940	
5	Robert H. Ingram.....	do.	7	55 4.0	do.	do.	do.	do.	do.	1,265	
6	W. E. Frisby.....	do.	7	62 4.0	do.	do.	do.	do.	do.	1,200	
7	William Bough.....	Henry.....	7	40 4.0	Sl.	Ho.	do.	do.	do.	640	
8	William Lopeman.....	do.	7	65 4.0	Dr.	Hd.	do.	do.	do.	420	
9	Jasper Winseberger.....	Chillicothe...	7	72 4.5	do.	do.	do.	do.	do.	400	
10	Daniels & Martell.....	Henry.....	7	37 4.0	do.	do.	do.	do.	do.	310	
11	L. Nighswonger.....	Sparland.....	7	40 4.0	do.	do.	do.	do.	do.	300	
12	John Myers.....	do.	7	37 4.0	do.	do.	do.	do.	do.	160	
13	Barnard Lanning.....	do.	7	46 4.0	do.	do.	do.	do.	do.	120	
13 mines											437,230

MCDONOUGH COUNTY.

1	Rippetoe & Rundel.....	Colchester.....	2	60 2.6	Sh.	St.	P. R.	Hd.	Hd.	14,114
2	A. Burney Coal Co.....	do.	2	60 2.6	do.	do.	do.	do.	do.	9,019
3	John Wilson.....	do.	2	35 2.4	do.	Ho.	do.	do.	do.	5,184
4	Burney & Co.....	do.	2	45 2.4	Dr.	Hd.	do.	do.	do.	1,914
5	Ralph Oldham.....	do.	2	76 2.4	Sh.	St.	do.	do.	do.	1,787
6	William Coal Co.....	do.	2	65 2.4	Dr.	Hd.	do.	do.	do.	1,600
7	Atkinson Bros.....	do.	2	40 2.4	do.	do.	do.	do.	do.	1,242
8	J. C. Kirkbride.....	Vermont.....	2	25 2.4	Sl.	Ho.	do.	do.	do.	1,150
9	Wm. Hobby.....	Colchester.....	2	96 2.4	Sh.	St.	do.	do.	do.	1,058
10	Frank Burdicks.....	Industry.....	2	28 2.4	do.	Ho.	do.	do.	do.	1,000
11	Samuel Oldham.....	Colchester.....	2	60 2.4	Dr.	Hd.	do.	do.	do.	960
12	Taylor & Bexson.....	Blandinsville.....	2	50 2.4	Sh.	St.	do.	do.	do.	1,040
13	Thos. E. Wilson.....	do.	2	55 2.4	do.	do.	do.	do.	do.	880
14	Wm. H. Robinson.....	Colchester.....	2	58 2.4	do.	do.	do.	do.	do.	830
15	T. L. Bowman.....	Industry.....	2	37 2.4	do.	Ho.	do.	do.	do.	800
16	Michael Humes.....	Colchester.....	2	45 2.4	Dr.	Hd.	do.	do.	do.	616
17	Wayland Bros.....	do.	2	40 2.4	do.	do.	do.	do.	do.	581
18	John Berry.....	do.	2	60 2.4	Sh.	Ho.	do.	do.	do.	540
19	C. Waddill.....	Tennessee.....	2	55 2.4	Dr.	Hd.	do.	do.	do.	528
20	Wm. Kipling.....	Colchester.....	2	60 2.4	do.	do.	do.	do.	do.	500
21	Wm. Jones.....	do.	2	55 2.4	do.	do.	do.	do.	do.	488
22	Walter Upham.....	do.	2	30 2.4	do.	do.	do.	do.	do.	480
23	Marion McClure.....	do.	2	50 2.4	do.	do.	do.	do.	do.	458
24	Wm. Hulson.....	do.	2	30 2.4	do.	do.	do.	do.	do.	437
25	Reynolds & Lowery.....	do.	2	55 2.4	do.	do.	do.	do.	do.	431
26	Cooper & Stone.....	do.	2	40 2.4	do.	do.	do.	do.	do.	416
27	Wm. Edington.....	Macomb.....	2	25 2.4	Sh.	Ho.	do.	do.	do.	402
28	Ala Voters.....	Colchester.....	2	50 2.4	Dr.	Hd.	do.	do.	do.	400
29	Lewis Lewis.....	do.	2	52 2.4	Sh.	Ho.	do.	do.	do.	400
30	Geo. W. Foster.....	do.	2	60 2.4	Dr.	Hd.	do.	do.	do.	400
31	Fred Curtis.....	Industry.....	2	32 2.4	do.	do.	do.	do.	do.	400
32	Harpe & Swanson.....	Colchester.....	2	50 2.4	do.	do.	do.	do.	do.	375
33	John Betson.....	do.	2	30 2.4	do.	do.	do.	do.	do.	360
34	Russell & Moon.....	do.	2	35 2.4	Sh.	Ho.	do.	do.	do.	361
35	Frank Voglar.....	Birmingham.....	2	35 2.4	Dr.	Hd.	do.	do.	do.	352
36	Ora Barrett.....	Colchester.....	2	35 2.4	do.	do.	do.	do.	do.	320

Physical Character of Coal Mines, 1906—Continued.

Table 99—Continued.

McDONOUGH COUNTY—*Concluded.*

Number.	Name of Operator	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
37	Joseph Bunt.....	Colchester.....	2	30	2.4	Dr.	Hd.	P. R.	Hd.	Hd.	320
38	Bradley Martin.....	do.....	2	40	2.4	do.	do.	do.	do.	do.	280
39	Wm. Whalen.....	do.....	2	40	2.4	do.	do.	do.	do.	do.	280
40	C. H. Price.....	Macomb.....	2	30	2.4	do.	do.	do.	do.	do.	252
41	Richard Laity.....	Colchester.....	2	30	2.4	do.	do.	do.	do.	do.	251
42	Lee McLure.....	do.....	2	45	2.4	do.	do.	do.	do.	do.	244
43	Eli Hilliard.....	do.....	2	45	2.4	do.	do.	do.	do.	do.	240
44	Isaac Fisher.....	do.....	2	30	2.4	do.	do.	do.	do.	do.	240
45	Willis Stoneking.....	Pandora.....	2	35	2.4	do.	do.	do.	do.	do.	212
46	Jackson Gilligan.....	Industry.....	2	65	2.4	do.	do.	do.	do.	do.	200
47	George Moon.....	Colchester.....	2	50	2.4	do.	do.	do.	do.	do.	200
48	J. E. Smith.....	do.....	2	40	2.4	do.	do.	do.	do.	do.	180
49	Andrew Swanson.....	do.....	2	50	2.4	do.	do.	do.	do.	do.	160
50	Wm. Baker.....	Macomb.....	2	40	2.4	do.	do.	do.	do.	do.	160
51	Patrick Whalen.....	Colchester.....	2	70	2.4	do.	do.	do.	do.	do.	160
52	Charles Porter.....	do.....	2	40	2.4	Sh.	St.	do.	do.	do.	158
53	King & Peck.....	do.....	2	35	2.4	Dr.	Hd.	do.	do.	do.	140
54	Anton Loksik.....	do.....	2	30	2.4	do.	do.	do.	do.	do.	136
55	John Reeder.....	do.....	2	50	2.4	do.	do.	do.	do.	do.	120
56	E. W. Miller.....	do.....	2	40	2.4	do.	do.	do.	do.	do.	120
57	George McIntire.....	Industry.....	2	40	2.4	do.	do.	do.	do.	do.	120
58	J. C. Witchell.....	Vermont.....	2	50	2.4	SL.	do.	do.	do.	do.	111
59	Samuel McCord.....	Colchester.....	2	45	2.4	Dr.	do.	do.	do.	do.	100
60	Jasper Waller.....	do.....	2	65	2.4	do.	do.	do.	do.	do.	80
61	Oswald Baird.....	do.....	2	40	2.4	do.	do.	do.	do.	do.	44
62	Hoar & Foster.....	do.....	2	40	2.4	do.	do.	do.	do.	do.	40
63	Wm. Russell.....	do.....	2	35	2.4	Sh.	Ho.	do.	do.	do.	40
64	George Polonus.....	do.....	2	30	2.4	Dr.	Hd.	do.	do.	do.	40
65	Wm. Webster.....	do.....	2	35	2.4	do.	do.	do.	do.	do.	40
66	Joseph Stone.....	do.....	2	40	2.4	do.	do.	do.	do.	do.	40
67	Fox Brothers.....	do.....	2	40	2.4	do.	do.	do.	do.	do.	40
67 mines.....											56,550

McLEAN COUNTY.

1	McLean County Coal Co....	Bloomington.....	5 & 2	400	4.0	Sh.	St.	L.-W.	M. C.	Hd.	115,000
2	Colfax Cooperative Coal Co.	Colfax.....	6	400	5.6	do.	do.	P.-R.	Mule	do.	26,287
3	Easterly Coal & Mining Co.	Chenoa.....	6	275	3.6	do.	do.	do.	do.	do.	11,213
3 mines.....											152,500

MENARD COUNTY.

1	Greenview Coal Mining Co., No. 1.....	Greenview.....	5	109	6.0	Sh.	St.	P.-R.	Mo.	Hd.	107,131
2	Athens Mining Co., No. 2.....	Athens.....	5	200	6.0	do.	do.	do.	do.	do.	102,091
3	Wabash Coal Co., No. 2.....	do.....	5	185	6.0	do.	do.	do.	Mule	do.	92,341
4	Middletown Coal Co., No. 1.....	Middletown.....	5	210	6.0	do.	do.	do.	do.	do.	68,210
5	Tallula Coal Co., No. 1.....	Tallula.....	4	185	4.0	do.	do.	do.	do.	do.	37,036
6	Petersburg Coal Mining Co., No. 1.....	Petersburg.....	5	75	6.0	do.	do.	do.	do.	do.	36,896

Table 00—Continued.

Physical Character of Coal Mines, 1906—Continued.

MENARD COUNTY—Concluded.

[illegible]

MERCER COUNTY.

[illegible]

MONTGOMERY COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

MORGAN COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Haulage—band, mule, cable, electric.	Mine—band, machine, both.	Total tons.
1	T. Wagstaffe.....	Murrayville....	5	70	5.0	Sh.	Ho.	P. R.	Hd...	Hd...	1,720
2	Jac Stoker.....	Arenzville.....	1	50	2.6	do	St.	do.	do.	do.	1,328
2 mines.....											3,048

PEORIA COUNTY.

1	Clark Coal & Coke Co., A...	Peoria.....	5	120	4.6	Sh.	St.	P. R.	Mo...	Hd...	146,620
2	Clark Coal & Coke Co., B...	do.....	5	130	4.6	do	do	do.	Mule	do.	70,238
3	Walschlag Coöp. Coal Co...	do.....	5	92	4.6	Dr	do	do.	do.	do.	88,208
4	Newsam Bros.....	do.....	5	46	4.6	Sh.	do	do.	Cable	do.	66,164
5	Sholl Bros., No. 3.....	do.....	5	92	4.6	do	do	do.	do.	do.	65,524
6	Howard & Taylor.....	Edwards.....	5	86	4.6	Dr	E.	do.	Mo...	do.	54,546
7	Collier Coöp. Coal Co.....	Bartonville....	5	82	4.6	Sh.	St.	do.	Mule	do.	53,788
8	Newsam Bros.....	Peoria.....	5	86	4.6	do	do	do.	Cable	do.	52,046
9	Veary Bros.....	do.....	5	70	4.6	Dr	do	do.	do.	do.	35,840
10	W. E. Foley.....	Mapleton.....	5	68	4.6	do	do	do.	Mule	do.	19,764
11	Isaac Wantling & Son.....	Peoria.....	5	62	4.6	do	do	do.	do.	do.	18,000
12	Third Vein Coal Co.....	Mapleton.....	2	165	4.6	Sh.	do	L. W.	do.	do.	12,945
13	German Coal Co.....	do.....	5	80	4.6	Sl.	do	P. R.	do.	do.	11,481
14	Newsam Bros.....	Peoria.....	5	80	4.6	Dr	do	do.	do.	do.	10,911
15	Edwards Mining Co.....	do.....	5	67	4.6	do	Ho.	do.	do.	do.	6,240
16	Reents Bros.....	Kramm.....	5	63	4.6	do	do	do.	do.	do.	6,120
17	Peter Grank.....	Peoria.....	5	80	4.6	Sh.	St.	do.	do.	do.	5,260
18	Winter Coöp. Coal Co., No. 2	Bartonville....	5	100	5.0	do	do	do.	do.	do.	21,600
19	Treasure Coal Co., No. 2....	do.....	5	100	5.0	do	do	do.	do.	do.	20,340
20	Hibbard & Sneddon.....	Peoria.....	5	75	4.6	do	do	do.	do.	do.	14,520
21	Hanover Mining Co.....	do.....	5	75	4.5	Dr	Ho.	do.	do.	do.	6,422
22	Galloway Coal Co.....	Kingston.....	5	70	4.5	do	St.	do.	do.	do.	5,620
23	George Keller & Son.....	Bartonville....	5	65	4.5	Sh.	do	do.	do.	do.	4,600
24	Winter Coöp. Coal Co., No. 1	do.....	5	80	5.0	Sl.	do	do.	do.	do.	4,820
25	Lancaster Landing Coal Co...	Kingston.....	5	75	4.5	Dr	Hd.	do.	do.	do.	4,349
26	Ball Coal Co., No. 1.....	Bartonville....	5	98	4.5	Sh.	St.	do.	do.	do.	4,224
27	Patrick Martin, No. 2.....	Peoria.....	5	90	4.5	do	do	do.	do.	do.	3,920
28	Crew Bros.....	Chillicothe....	5	90	4.5	Dr	Hd.	do.	do.	do.	3,600
29	F. P. Schmidt & Sons.....	Peoria.....	5	90	4.5	do	Ho.	do.	do.	do.	3,560
30	Mohn Coal Co.....	do.....	5	80	4.5	Sh.	St.	do.	do.	do.	3,500
31	Limestone Coal Co.....	do.....	5	130	4.6	do	do	do.	do.	do.	2,746
32	White Coal Co.....	do.....	5	110	4.6	Dr	Ho.	do.	do.	do.	2,610
33	Fair Oaks Coal Co.....	do.....	5	90	4.5	Sh.	St.	do.	do.	do.	2,400
34	W. J. Burdett.....	Pottstown.....	5	60	4.2	Dr	Ho.	do.	do.	do.	1,488
35	J. Staton.....	Mapleton.....	5	80	4.5	Sl.	do	do.	do.	do.	1,400
36	R. Taylor.....	Princetonville	5	65	4.5	Sh.	St.	do.	do.	do.	1,360
37	Powell Coal Co.....	Mapleton.....	5	80	4.5	Sl.	Ho.	do.	do.	do.	1,162
38	Lally & Heaton.....	Brimfield.....	5	60	4.5	Sh.	do	do.	do.	do.	800
39	Wm. Berry.....	Monica.....	5	40	4.5	do	do	do.	do.	do.	750
40	John Richiger.....	Mapleton.....	5	65	4.5	Dr	Hd.	do.	do.	do.	500
41	David Roberts.....	do.....	5	60	4.5	Sl.	Ho.	do.	do.	do.	460
42	Higbee & Calwell.....	Princetonville	5	70	4.5	Sh.	St.	do.	Hd.	do.	300
43	Ed. Seiger.....	Oak Hill.....	5	60	4.0	Dr	Hd.	do.	do.	do.	210
44	Third Vein Coal Co., No. 2...	Mapleton.....	5	57	4.5	Sl.	St.	do.	Mule	do.	200
45	Bell Coal Co.....	Peoria.....	5	60	4.5	Dr	Hd.	do.	Hd.	do.	200
46	Hess Coal Co.....	do.....	5	65	4.5	do	do	do.	do.	do.	180
47	W. Robinson.....	Mapleton.....	5	67	4.5	do	do	do.	do.	do.	188
48	Hand & Ash.....	Brimfield.....	5	50	4.5	Sh.	Ho.	do.	do.	do.	180
49	R. Culbertson.....	do.....	5	52	4.5	do	do	do.	do.	do.	180

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

PEORIA COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
50	Joseph Marie.....	Pottstown.....	5	60	4.2	Dr.	Hd.	P.-R.	Hd.	Hd.	175
51	J. Rook.....	Brimfield.....	5	50	4.5	Sh.	Ho.	do.	do.	do.	170
52	M. Rumble.....	Peoria.....	5	65	4.5	Dr.	Hd.	do.	do.	do.	168
53	Fisher & Block.....	do.....	5	80	4.5	do.	do.	do.	do.	do.	165
54	Lewis & Berry.....	Pottstown.....	5	80	4.2	do.	do.	do.	do.	do.	160
55	F. Taylor.....	Elmwood.....	6	61	4.6	Sh.	Ho.	do.	do.	do.	120
56	L. Hearst.....	Princeville.....	6	60	5.0	do.	do.	do.	do.	do.	100
57	W. Poole.....	Edwards.....	6	57	4.4	Dr.	Hd.	do.	do.	do.	100
58	Schott & Witheral.....	do.....	5	60	4.3	do.	do.	do.	do.	do.	90
59	Ash Johnson.....	Hanna City.....	6	52	4.5	do.	do.	do.	do.	do.	89
60	J. Green.....	do.....	6	50	4.5	do.	do.	do.	do.	do.	80
61	T. Dawson.....	do.....	6	51	4.5	Sl.	Ho.	do.	do.	do.	70
62	J. Dempster.....	Peoria.....	5	70	4.4	Dr.	Hd.	do.	do.	do.	70
63	A. A. Hammel.....	Chillicothe.....	6	69	4.5	do.	do.	do.	do.	do.	68
64	R. Clarkson.....	Oak Hill.....	6	60	3.8	do.	do.	do.	do.	do.	60
65	H. A. Bemont.....	do.....	6	61	3.8	do.	do.	do.	do.	do.	60
66	J. Dalton.....	Elmwood.....	6	60	4.5	Sh.	Ho.	do.	do.	do.	58
67	D. H. Currin.....	Oak Hill.....	6	65	3.8	do.	do.	do.	do.	do.	54
68	Birdus Bros.....	Peoria.....	5	75	4.5	Dr.	Hd.	do.	do.	do.	50
69	Thomas Gooden.....	Mapleton.....	5	70	4.5	do.	do.	do.	do.	do.	49
70	Black Bros.....	do.....	5	65	4.5	do.	do.	do.	do.	do.	40
71	Thomas Jones.....	Peoria.....	5	62	4.5	do.	do.	do.	do.	do.	38
72	D. Harris.....	Hanna City.....	6	50	4.5	do.	do.	do.	do.	do.	30
73	Thomas Bohanan.....	do.....	6	51	4.5	do.	do.	do.	do.	do.	30
74	B. Wolford.....	do.....	6	52	4.5	do.	do.	do.	do.	do.	28
75	S. Harper.....	do.....	6	48	4.5	do.	do.	do.	do.	do.	26
76	R. Armfield.....	do.....	6	41	4.5	do.	do.	do.	do.	do.	24
77	J. Scott.....	Oak Hill.....	6	60	4.0	do.	do.	do.	do.	do.	21
78	Ed Siam.....	do.....	6	61	4.0	do.	do.	do.	do.	do.	20
79	J. Saunders.....	Monica.....	6	56	4.5	do.	do.	do.	do.	do.	25
80	W. Englekey.....	Peoria.....	5	59	4.5	do.	do.	do.	do.	do.	22
81	B. Wasson.....	Monica.....	6	50	4.5	do.	do.	do.	do.	do.	26
82	A. Myers.....	Pekin.....	5	67	4.4	do.	do.	do.	do.	do.	31
83	John Powell & Son.....	Mapleton.....	5	50	4.5	do.	do.	do.	do.	do.	31
84	D. Roberts & Son.....	do.....	5	51	4.5	do.	do.	do.	do.	do.	22
84 mines.....											844,484

PERRY COUNTY.

1	Willis Coal Mining Co., No. 1	Willisville.....	6	80	6.0	Sh.	St.	P.-R.	M.-M	Both.	272,755
2	Majestic Coal & Coke Co....	Duquoin.....	7	400	9.0	do.	do.	do.	do.	Hd.	211,746
3	Paradise Coal & Coke Co....	do.....	7	374	9.0	do.	do.	do.	Mule	do.	155,092
4	Missouri & Illinois Coal Co.	Willisville.....	6	82	6.0	do.	do.	do.	do.	do.	141,596
5	White Walnut Coal Co.....	Pinckneyville.	6	90	6.0	do.	do.	do.	do.	do.	133,195
6	Duquoin Operating Co.....	Duquoin.....	7	350	9.0	do.	do.	do.	do.	do.	104,489
7	Hippard Coal Co.....	do.....	6	275	6.0	do.	do.	do.	do.	do.	51,040
8	Duquoin Fuel Co.....	do.....	6	44	6.0	do.	do.	do.	M. C.	do.	49,162
9	Greenwood-Davis Coal Co....	do.....	7	38	9.0	do.	do.	do.	Mule	do.	44,000
10	Bailey Bros. Coal Co., No. 3.	Sunfield.....	6	80	5.5	do.	do.	do.	do.	do.	41,547
11	Little Muddy Coal Co.....	Tamaroa.....	6	220	6.0	do.	do.	do.	do.	do.	37,802
12	Duquoin Coal Co.....	Duquoin.....	6	55	6.0	do.	do.	do.	do.	do.	27,179

Table 99—Continued.

[illegible]

1	St. Paul Coal Co., No. 1	Granville	2	500'	3.0	Sh.	St.	L.-W	Mule	Hd.	135,004
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[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

ROCK ISLAND COUNTY.

[illegible]

SALINE COUNTY.

1	O'Gara Coal Co.	No. 4	Harrisburg	5	300	7.0	Sh.	St.	P-R	Mule	Hd.	90,425
2	O'Gara Coal Co.	No. 6	do	5	120	7.0	do	do	do	do	do	64,363
3	O'Gara Coal Co.	No. 9	do	6	400	3.6	do	do	do	do	do	64,198
4	O'Gara Coal Co.	No. 3	do	5	300	6.0	do	do	do	do	do	58,939
5	Davenport Coal Co.	A	do	5	144	8.0	do	do	do	do	H-M	51,631
6	O'Gara Coal Co.	No. 7	do	5	125	7.0	do	do	do	do	Hd.	50,618
7	Eldorado Coal Co.	No. 1	Eldorado	6	400	3.9	do	do	do	do	do	47,414
8	O'Gara Coal Co.	No. 5	Harrisburg	5	143	7.0	do	do	do	do	do	40,589
9	Galatia Coal Co.	No. 1	Galatia	6	340	5.8	do	do	do	do	do	38,118
10	O'Gara Coal Co.	No. 1	Harrisburg	6	122	7.0	do	do	do	do	do	24,363
11	O'Gara Coal Co.	No. 8	do	5	300	4.5	do	do	do	do	do	23,045
12	O'Gara Coal Co.	No. 2	do	5	300	5.6	do	do	do	do	do	23,065
13	Harrisburg Big Muddy C. Co.			5								11,257
14	National Mining Co.	No. 1	Eldorado	5	337	6.0	do	do	do	do	do	7,237
15	O'Gara Coal Co.	No. 10	Harrisburg	6	400	3.9	do	do	do	do	do	3,513
16	Job S. Ingram			5	40	0.5	L	H	do	do	do	4,560
17	J. E. Dobyns		Eldorado	5	48	4.0	do	do	do	do	do	584
18	D. Hybee		Mitchellville	5	30	4.0	L	do	do	do	do	353
19	Allen Tarlton		Eagle	5	45	4.0	do	Hd.	do	do	do	200
20	Levis Dunn		Stonesfort	2		3.6	Dr.	do	do	do	do	60
21	L. D. Wilkin		Kedron	5		4.0	do	do	do	do	do	75
22	Logan Dunn		Mitchellville	5		3.6	do	do	do	do	do	75

22 mines.

001.77

Physical Character of Coal Mines, 1906—Continued.

Table 99—Continued.

SANGAMON COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
1	Chicago W. & V. C. C. No. 1	Thayer	5	292	7.11	Sh.	St.	P-R.	E.	Mch.	244,009
2	Madison Coal Co. No. 6	Divernon	5	318	8.0	do.	do.	do.	do.	do.	241,150
3	Springfield Coal M. Co. No. 2	Riverton	5	250	5.9	do.	do.	do.	Mule	Hd.	236,157
4	Ill. Midland Coal Min. Co.	Pawnee	5	325	7.6	do.	do.	do.	do.	do.	210,904
5	Springfield Coal M. Co. No. 5	Springfield	5	250	5.7	do.	do.	do.	do.	do.	188,480
6	Illinois Collieries Co. No. 8	do.	5	250	5.9	do.	do.	do.	E.	do.	177,474
7	Capital Coal Co. No. 2	do.	5	240	5.9	do.	do.	do.	Cable	do.	166,206
8	Illinois Midland Coal Co.	Sherman	5	201	6.0	do.	do.	do.	Mule	do.	164,928
9	Ill. Collieries Co. No. 2	Auburn	5	280	7.6	do.	do.	do.	do.	do.	162,939
10	Springfield C. M. Co. No. 4	Springfield	5	245	5.9	do.	do.	do.	do.	do.	168,364
11	Woodside Coal Co.	do.	5	250	5.9	do.	do.	do.	do.	do.	151,544
12	Springfield C. M. Co. No. 1	Riverton	5	230	5.9	do.	do.	do.	Cable	do.	143,873
13	Tuxhorn Coal Co.	Keys	5	220	5.9	do.	do.	do.	Mule	do.	132,556
14	Springfield C. M. Co. No. 3	Starnes	5	230	5.9	do.	do.	do.	do.	do.	131,307
15	Chicago Springfield Coal Co.	Springfield	5	225	5.4	do.	do.	do.	do.	do.	130,068
16	West End Coal Co.	do.	5	150	5.9	do.	do.	do.	E.	do.	116,677
17	Auburn & Alton Coal Co.	Auburn	5	268	7.6	do.	do.	do.	Mule	do.	116,640
18	Citizens Coal Mining Co.	Springfield	5	210	5.9	do.	do.	do.	do.	do.	114,886
19	Sangamon Coal Co. No. 2	do.	5	265	6.9	do.	do.	do.	do.	do.	114,767
20	Standard Wash. C. Co. No. 2	Bissel	5	220	5.9	do.	do.	do.	do.	do.	107,369
21	Williamsville Coal Co.	Selytown	5	269	5.8	do.	do.	do.	do.	do.	100,733
22	Cantrall Co-operative C. Co.	Cantrall	5	213	6.0	do.	do.	do.	do.	do.	99,388
23	O'Gara Coal Co.	Springfield	5	250	5.9	do.	do.	do.	do.	do.	92,686
24	Barclay Coal & Min. Co.	Barclay	5	249	5.9	do.	do.	do.	do.	do.	91,242
25	Wabash Coal Co. No. 1	Dawson	5	259	5.0	do.	do.	do.	do.	do.	86,442
26	Black Diamond Coal Co.	Auburn	5	270	7.6	do.	do.	do.	E.	do.	83,864
27	Standard Wash. C. C. No. 1	Spaulding	5	238	5.9	do.	do.	do.	Mule	do.	80,079
28	Springfield Co-oper. Coal Co.	Springfield	5	245	5.9	do.	do.	do.	do.	do.	75,800
29	Citizens Coal Co.	do.	5	205	5.4	do.	do.	do.	do.	do.	65,899
30	Cora Coal Co.	Andrews	5	220	6.0	do.	do.	do.	do.	do.	33,262
31	Jones & Adams Coal Co.	Springfield	5	245	5.9	do.	do.	do.	Cable	do.	33,225
32	Springfield Colliery Co.	do.	5	250	5.9	do.	do.	do.	Mule	do.	29,891
33	Mechanicsburg Coal Co.	Mechanicsbu'g	5	280	5.0	do.	do.	do.	do.	do.	2,719
34	Spring Creek Coal Co.	Springfield	5	160	5.9	do.	do.	do.	do.	do.	16,749
35	Ill. Collieries C. C. No. 3	Chatham	5	250	7.0	do.	do.	do.	do.	do.	11,845
36	Lincoln Park Coal Co.	Springfield	5	200	5.9	do.	do.	do.	do.	do.	22,473
37	Robert Crichton	Berlin	5	200	5.6	do.	do.	do.	do.	do.	5,000
38	Trutter Coal Co.	Pleasant Plain	5	129	5.6	do.	do.	do.	do.	do.	1,560
39	Cranister & Davis	Salisbury	5	84	5.9	do.	Ho.	do.	do.	do.	840
40	M. U. Whitehurst	do.	5	250	5.9	do.	St.	do.	do.	do.	836
40 mines											4 155,431

SCHUYLER COUNTY.

1	Littleton Coal Co. No. 1	Littleton	2	80	2.6	Sh.	St.	L. W.	Mule	Hd.	2,533
2	Whellhans & Keer	Rushville	5	50	4.6	do.	Ho.	P-R.	do.	do.	4,200
3	Williams & Clark	do.	5	50	4.6	do.	do.	do.	do.	do.	2,000
4	Wm. Cummings	do.	5	60	4.6	Sl.	St.	do.	Hd.	do.	1,660
5	E. C. Porter	Lewiston	5	50	4.6	do.	Dr.	Hd.	do.	do.	900
6	F. W. Croxton	Pleasant View	5	40	4.6	do.	do.	do.	do.	do.	600
7	Ralph Strong	do.	5	14	2.6	Sl.	do.	do.	do.	do.	500
8	Simon Parlwood	Littleton	5	50	2.6	Dr.	do.	do.	do.	do.	200
9	John Cagle	do.	2	60	2.6	do.	do.	do.	do.	do.	184

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

SCHUYLER COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule cable, electric.	Mine—hand, machine, both.	Total tons.
10	Terry & Wigan.....	Frederick.....	...	40	...	Dr.	Hd.	P.-R.	Hd.	Hd.	800
11	Cagle & Spiller.....	do.....	...	40	...	do.	do.	do.	do.	do.	980
12	Alfred Wasbey.....	Pine Grove.....	...	40	2 6	do.	do.	do.	do.	do.	960
13	Geo. Edwards.....	Huntsville.....	2	50	2 3	do.	do.	do.	do.	do.	615
14	Ed. Duffy.....	Rushville.....	...	10	...	St.	...	...	...	...	200
14 mines.....											16,332

SCOTT COUNTY.

1	Chas. McElwee.....	Winchester...	1	60	2 6	Sh.	Ho.	P.-R.	Hd.	Hd.	10,592
2	Wm. H. Bates & Co.....	do.....	1	90	2 4	do.	St.	do.	Mule	do.	5,052
3	Wm. Kund.....	Bluffs.....	1	...	2 6	Sl.	Hd.	do.	Hd.	do.	1,582
4	Geo. Sellers.....	Winchester...	1	...	2 6	Dr.	do.	do.	do.	do.	872
5	John McGuire.....	Alsey.....	1	...	2 6	do.	do.	do.	do.	do.	800
6	Ed. Berry.....	Exeter.....	1	25	2 6	do.	do.	do.	do.	do.	400
7	Ed. Ramft.....	Bluffs.....	1	...	2 6	do.	do.	do.	do.	do.	320
8	Patrick McGuire.....	Winchester...	1	...	2 6	do.	do.	do.	do.	do.	320
8 mines.....											19,338

SHELBY COUNTY.

1	Moweaqua Coal M. Co. No. 1.....	Moweaqua....	5	618	5 0	Sh.	St.	P.-R.	Mo.	Both.	88,048
2	Century Coal Co. No. 1.....	Tower Hill....	6	804	8 0	do.	do.	do.	Mule	Hd.	29,063
3	Widick Bros.....	Findley.....	14	104	2 4	do.	do.	do.	Hd.	do.	3,067
4	John Anglin.....	Shelbyville....	14	65	2 2	do.	do.	do.	do.	do.	2,490
5	Brophy Bros.....	do.....	14	70	2 2	do.	Ho.	do.	do.	do.	1,824
6	M. R. Williams.....	do.....	14	64	2 2	do.	do.	do.	do.	do.	824
7	W. F. Gallagher.....	Mode.....	14	65	2 4	do.	do.	do.	do.	do.	600
8	Hickey & Kingston.....	Shelbyville....	14	116	2 2	do.	do.	do.	do.	do.	508
9	B. F. Stretch.....	do.....	14	80	2 4	do.	St.	do.	do.	do.	380
10	William Baum.....	do.....	14	70	2 4	do.	do.	do.	do.	do.	640
11	W. W. Turney.....	do.....	14	98	2 4	do.	Hd.	do.	do.	do.	200
11 mines.....											126,664

STARK COUNTY.

1	Wyoming Coal Co. No. 1.....	Wyoming.....	6	65	4 6	Sh.	St.	P.-R.	Hd.	Hd.	7,070
2	Higbee & Watson.....	do.....	6	60	4 6	do.	do.	do.	do.	do.	6,771
3	W. B. Ballentine.....	do.....	6	80	4 6	do.	do.	do.	do.	do.	3,800
4	Jesse Savill.....	do.....	6	70	4 6	Dr.	Hd.	do.	do.	do.	2,081
5	Shady Lane Coal Co.....	do.....	6	130	4 6	Sh.	St.	do.	do.	do.	2,100
6	Jas. Scott.....	do.....	6	60	4 6	do.	Ho.	do.	do.	do.	2,000
7	Nicholas Peterson.....	Bradford.....	6	100	4 8	do.	do.	do.	do.	do.	1,680
8	Frank Berfield.....	do.....	6	45	4 3	do.	do.	do.	do.	do.	1,344
9	Robert Camey.....	Lombardville....	6	120	4 6	do.	do.	do.	do.	do.	1,200

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

STARK COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
10	Bever Bros	Wyoming	6	76	4.6	do.	do.	do.	do.	do.	180
11	Dalrymple Bros	Neponset	6	60	4.4	do.	do.	do.	do.	do.	1,100
12	W. W. Jones	Bradford	6	138	4.6	do.	do.	do.	do.	do.	1,000
13	John Cotton	West Jersey	6	60	4.5	do.	do.	do.	do.	do.	1,000
14	Cahill & Code	Lombardville	6	136	4.6	do.	do.	do.	do.	do.	820
15	John S. Taylor	Neponset	6	60	4.4	do.	do.	do.	do.	do.	810
16	John Thurston	Wyoming	6	75	4.6	do.	do.	do.	do.	do.	620
17	Charles Charlson	do.	6	80	4.6	do.	do.	do.	do.	do.	600
18	Oscar Bass	do.	6	73	4.6	do.	do.	do.	do.	do.	520
18 mines											34,696

ST. CLAIR COUNTY.

1	St. L. & O'Fallon C. Co., No. 1	East St. Louis	6	100	6.0	Sh.	St.	P.-R.	Mule	Hd.	355,463
2	St. L. & O'Fallon C. Co., No. 2	do.	6	197	6.0	do.	do.	do.	do.	Mch.	251,515
3	Consolidated Coal Co., No. 17	Collinsville	6	165	6.0	do.	do.	do.	do.	do.	212,626
4	Southern C. & M. Co., No. 6	Belleville	6	180	6.0	do.	do.	do.	do.	Hd.	159,261
5	Royal Coal & Mining Co.	do.	6	190	7.0	do.	do.	do.	do.	Mch.	158,572
6	Superior Coal & Mining Co.	do.	6	186	6.0	do.	do.	do.	do.	do.	148,909
7	Suburban Coal & Mining Co.	do.	6	180	6.0	do.	do.	do.	do.	Hd.	141,241
8	Prairie Coal Co.	do.	6	200	7.0	do.	do.	do.	do.	do.	120,000
9	Jos. Taylor Coal Co.	O'Fallon	6	210	7.0	do.	do.	do.	Mo.	do.	115,221
10	International Coal & M. Co.	do.	6	210	7.0	do.	do.	do.	do.	do.	108,883
11	Jos. Taylor Coal Co.	do.	6	210	7.0	do.	do.	do.	Mule	Mch.	106,182
12	Southern C. & M. Co., No. 1	Belleville	6	200	7.0	do.	do.	do.	do.	do.	101,907
13	Jos. Taylor Coal Co.	O'Fallon	6	200	7.0	do.	do.	do.	do.	Hd.	90,840
14	Kolb Coal Co.	Mascoutah	6	180	6.0	do.	do.	do.	do.	do.	88,000
15	Southern C. & M. Co., No. 3	Belleville	6	175	7.0	do.	do.	do.	do.	Mch.	87,362
16	Fullerton Coal Co.	do.	6	160	7.0	do.	do.	do.	do.	Hd.	81,000
17	Consolidated Coal Co.	Collinsville	6	160	7.0	do.	do.	do.	do.	Mch.	77,731
18	Southern Coal & M. Co., No. 8	Belleville	6	200	7.0	do.	do.	do.	do.	do.	77,474
19	Madison Coal Corp., No. 7	Ogles	6	185	7.0	do.	do.	do.	do.	Hd.	74,485
20	Boardsers Coal Co., No. 1	Marissa	6	80	7.0	do.	do.	do.	do.	do.	72,575
21	Breese-Trenton Coal Co.	Trenton	7	200	5.0	do.	do.	do.	do.	do.	65,840
22	Summit Coal & M. Co.	Belleville	6	190	7.0	do.	do.	do.	do.	do.	65,590
23	Belleville & O'Fallon C. Co.	do.	6	120	6.0	do.	do.	do.	do.	do.	65,250
24	Valley Coal Co.	Mascoutah	6	113	6.0	do.	do.	do.	do.	Mch.	62,889
25	Johnson Coal Co.	Marissa	6	120	7.0	do.	do.	do.	do.	Hd.	60,575
26	Missouri & Illinois Coal Co.	Kentchler	6	130	7.0	do.	do.	do.	do.	do.	56,123
27	Marissa Coal Co.	Marissa	6	120	7.0	do.	do.	do.	Cable	do.	54,968
28	Jones Bros. Coal Co.	do.	6	114	7.0	do.	do.	do.	Mule	do.	50,798
29	Hibbard Coal Co., No. 1	Belleville	6	75	7.0	do.	do.	do.	do.	Mch.	50,168
30	Southern Coal & M. Co., No. 7	do.	6	140	6.0	do.	do.	do.	do.	Hd.	49,513
31	Southern Coal & M. Co., No. 4	do.	6	187	7.0	do.	do.	do.	do.	Mch.	47,084
32	Avery Coal Co.	Freeburg	6	150	7.0	do.	do.	do.	do.	Hd.	44,508
33	Glendale Coal & M. Co.	Belleville	6	150	6.0	do.	do.	do.	Mo.	do.	44,500
34	Boardsers Coal Co., No. 2	Marissa	6	90	6.6	do.	do.	do.	Mule	do.	44,338
35	Pittsburg Mining Co.	Belleville	6	175	7.0	do.	do.	do.	do.	do.	43,675
36	Terre Coal & M. Co.	Lenzburg	6	191	7.0	do.	do.	do.	do.	do.	43,439
37	L. Senior	Belleville	6	55	6.0	do.	do.	do.	do.	do.	37,517
38	Enterprise Coal Co.	Kentchler	6	120	6.0	do.	do.	do.	do.	do.	36,827
39	Highland Coal Co.	Belleville	6	130	6.0	do.	do.	do.	do.	do.	36,610

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

TAZEWELL COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mine—hand, machine, both.	Total tons.
1	Tazewell Coal Co., No. 1.....	Pekin	5	120	4.0	Sh.	St.	P.-R.	Mule	Hd...	61,748
2	Phoenix Coal Co., No. 1	Peoria	5	100	4.0	do.	do.	do.	do.	do.	44,652
3	Erie Star Coal Co.	do.	5	85	4.0	Sl.	do.	do.	M. C.	do.	22,192
4	Grant Bros.	Pekin	5	100	4.0	Sh.	do.	do.	Mule	do.	14,100
5	Eastern Coal Co.	Peoria	5	75	4.0	do.	do.	do.	do.	do.	23,533
6	Carter's Coal Mining Co.	do.	5	20	4.0	Sl.	do.	do.	do.	do.	14,532
7	Manhattan Fuel Co.	East Peoria ..	5	105	4.0	do.	do.	do.	do.	do.	7,000
8	A. B. Cummings	do.	5	22	4.0	do.	do.	do.	do.	do.	5,710
9	Doering Coal Mining Co.	do.	5	80	4.0	Sh.	Ho.	do.	do.	do.	5,400
10	Champion Coal Co.	Pekin	5	209	4.0	do.	St.	do.	do.	do.	4,962
11	Giebelhausen & Son	Peoria	5	96	4.0	do.	Ho.	do.	do.	do.	4,620
12	Bohlander Bros.	Pekin	5	180	4.0	do.	St.	do.	do.	do.	4,184
12 mines											212,633

VERMILION COUNTY.

1	Dering Coal Co. No. 1	Westville	6	210	7.0	Sh.	St.	P.-R.	M. E.	Hd.	304,178
2	Dering Coal Co. No. 2	do.	6	215	6.0	do.	do.	do.	do.	H. M.	301,810
3	Kelly Coal Co. No. 4	Danville	6	90	7.0	do.	do.	do.	do.	Mch.	254,345
4	Kelly Coal Co. Pawnee	do.	6	90	8.0	do.	do.	do.	C. M.	Hd.	182,310
5	Kelly Coal Co. No. 5	do.	6	90	7.0	do.	do.	do.	do.	Mule	157,050
6	Kelly Coal Co. Himrod	do.	6	168	8.0	do.	do.	do.	M. E.	H. M.	114,111
7	Electric Coal Co. Electric ..	do.	7	100	6.0	do.	do.	do.	Mule	Hd.	81,292
8	Dering Coal Co. No. 3	Westville	6	197	6.0	do.	do.	do.	do.	do.	56,052
9	Kelly Coal Co. No. 2	Danville	6	210	7.0	do.	do.	do.	M. E.	do.	53,656
10	Chicago Collieries Co. No. 10 ..	Catlin	7	168	6.0	do.	do.	do.	do.	do.	53,637
11	Consolidated Coal Co.	Fairmount	7	208	5.0	do.	do.	do.	Mule	do.	46,920
12	Economy Coal Co. Econ	Danville	7	85	6.0	do.	do.	do.	do.	do.	46,472
13	E. S. Gray Coal Co. No. 4	do.	7	95	6.0	do.	do.	do.	do.	do.	44,000
14	Oakwood Coal Co.	Oakwood	7	80	6.0	do.	do.	do.	do.	do.	34,657
15	Dering Coal Co. No. 4	Westville	6	204	6.0	do.	do.	do.	do.	do.	33,214
16	Mauck Bros. No. 2	Danville	7	100	6.0	Dr.	do.	do.	do.	do.	29,000
17	Salt Fork Coal Co.	Oakwood	6	20	6.0	St.	do.	Strip	do.	do.	25,500
18	Bunting Bros.	Grape Creek ..	6	80	6.0	Dr.	M.	P.-R.	do.	do.	24,590
19	Vermilion Coal Co. No. 1	Georgetown	6	190	6.0	Sh.	St.	do.	do.	do.	9,815
20	John O'Connell Coal Co.	Danville	6	40	7.0	do.	do.	do.	do.	do.	7,182
21	G. H. Haskins	Grape Creek ..	6	80	7.0	Sl.	do.	do.	do.	do.	1,658
22	Reynolds & Bales	Tilton	7	90	6.0	Dr.	Ho.	do.	do.	do.	15,000
23	J. H. Pearl	Danville	7	90	6.0	Sl.	St.	do.	do.	do.	15,000
24	Tilton Coal Co.	Tilton	7	90	6.0	Dr.	Ho.	do.	do.	do.	12,865
25	Stansburg & Watkins	Danville	7	60	6.0	do.	Hd.	do.	Hd.	do.	9,000
26	D. A. Jenkins	do.	7	75	6.0	do.	Ho.	do.	Mule	do.	8,500
27	L. S. Miller	do.	6	16	7.0	St.	do.	Strip	do.	do.	6,400
28	Joe Mauck	do.	7	100	6.0	Dr.	St.	P.-R.	Mule	do.	5,550
29	Bryant & Spicer	Grape Creek ..	6	80	7.0	do.	Hd.	do.	Hd.	do.	5,000
30	France Bros.	Fairmount	7	50	6.0	Sh.	Ho.	do.	Mule	do.	5,000
31	Milles & Spangler	Danville	7	100	6.0	do.	do.	do.	do.	do.	4,300
32	Adolph Roland	Grape Creek ..	6	30	7.0	Sl.	do.	do.	do.	do.	4,050
33	W. C. Shafer	Danville	7	101	6.0	do.	do.	do.	do.	do.	4,000
34	Lawrence Helduke	Catlin	7	57	6.0	Sh.	do.	do.	do.	do.	4,000
35	A. H. Bonnett	Collislon	100	6.0	do.	St.	do.	do.	do.	do.	4,000
36	John Edwards	Vandercreek ..	7	90	6.0	Dr.	Ho.	do.	do.	do.	3,600
37	Webster Bros.	Danville	7	125	6.0	do.	do.	do.	do.	do.	3,500

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

VERMILION COUNTY—Concluded.

[illegible]

WARREN COUNTY.

[illegible]

WASHINGTON COUNTY.

[illegible]

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

WHITE COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Holisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—band, mule, cable, electric.	Mine—band, machine, both.	Total tons.
1	Norris City Coal Co.	Norris City ...	640	5.0	Sh.	St.	P. R.	Mule	Hd...		6,585

WILL COUNTY.

1	Murphy, Keenan Co., No. 3.	Braidwood	2	55	3.5	Sh.	St.	L-W	Mule	Hd...	50,550
2	Will Co. M. & Mfg. Co., No. 6	Diamond	2	90	3.0	do.	do.	do.	do.	do.	37,650
3	Joliet, Wilm. Coal Co., No. 2	Braidwood	2	115	3.0	do.	do.	do.	do.	do.	32,232
4	Rikson Coal Co., No. 1.	Braceville	2	110	3.5	do.	do.	do.	do.	do.	14,927
5	O'Connor & Co., No. 2.	Braidwood	2	51	3.0	do.	Ho.	do.	Hd.	do.	5,000
6	Little Wilm. Coal Co., No. 1	do.	2	40	3.0	do.	do.	do.	do.	do.	1,600
6 mines											141,959

WILLIAMSON COUNTY.

1	Big Muddy C. & I. Co., No. 7	Herrin	7	140	9.0	Sh.	St.	P. R.	E.	Hd.	363,573
2	Chi. & Carterville C. Co., A.	do.	7	180	9.0	do.	do.	do.	do.	Both.	312,482
3	Sunnyside Coal Co., No. 1	do.	7	145	9.0	do.	do.	do.	do.	do.	289,874
4	Madison Coal Co., No. 8.	Dewmain	7	90	9.0	do.	do.	do.	Mule.	Hd.	281,278
5	Peabody Coal Co., No. 3.	Marion	7	102	9.0	do.	do.	do.	E.	Both.	258,398
6	Western C. Min. Co., No. 1.	Bush	7	185	9.0	do.	do.	do.	do.	Hd.	228,461
7	Big Muddy C. & I. Co., No. 8	Clifford	7	180	9.0	do.	do.	do.	do.	Mule.	180,459
8	Carterville Dist. C. Co., No. 1	Marion	7	94	8.0	do.	do.	do.	do.	do.	168,978
9	Chi. Big M. C. & C. Co., No. 1	do.	7	81	9.0	do.	do.	do.	Mule.	Hd.	157,692
10	Carterville Coal Co.	Carterville	7	90	9.0	do.	do.	do.	E.	do.	152,163
11	Peabody Coal Co., No. 2.	Marion	7	80	9.0	do.	do.	do.	Mule.	Both.	146,489
12	Chicago-Herrin Coal Co.	Herrin	7	161	9.0	do.	do.	do.	do.	Hd.	139,635
13	J. C. & B. M. C. & M. Co., No. 1	Johnston City.	7	208	9.0	do.	do.	do.	do.	do.	128,022
14	Williamson Co. C. Co., No. 1	do.	7	150	9.0	do.	do.	do.	do.	do.	115,053
15	Chi. & Marion Coal Co.	Marion	7	94	8.0	do.	do.	do.	do.	do.	110,649
16	New Virginia Coal Co.	Johnston City.	7	119	8.0	do.	do.	do.	do.	do.	90,000
17	Carterville & B. M. C. Co.	Cambria	7	80	9.0	do.	do.	do.	do.	do.	78,813
18	Danahy & Koennecke C. Co.	Carterville	7	110	9.0	do.	do.	do.	do.	do.	71,361
19	Carterville & Herrin C. Co.	Herrin	7	165	9.0	do.	do.	do.	do.	do.	70,504
20	Robert Dick Coal Co.	Cambria	7	81	9.0	do.	do.	do.	do.	do.	66,430
21	Carterville Min. Co., No. 1.	Carterville	7	161	9.0	do.	do.	do.	do.	do.	62,079
22	Watson Coal Co., No. 1.	Herrin	7	80	9.0	do.	do.	do.	do.	do.	59,700
23	Carterville Coal Co., No. 2	Carterville	7	130	9.0	do.	do.	do.	do.	do.	59,167
24	Hafer Washed C. Co., No. 3.	do.	7	120	9.0	do.	do.	do.	do.	do.	57,560
25	Madison Coal Co., No. 9.	Cambria	7	140	9.0	do.	do.	do.	do.	do.	54,553
26	Carterville C. Co., A.	Carterville	7	60	9.0	do.	do.	do.	do.	do.	51,783
27	Carterville Min. Co., No. 3.	do.	7	70	9.0	do.	do.	do.	do.	do.	40,674
28	St. L. Carterville C. Co.	Herrin	7	160	9.0	do.	do.	do.	do.	do.	40,468
29	John'n Cy & Cart'ville C. Co	Johnston City.	7	170	9.0	do.	do.	do.	do.	do.	35,146
30	Hafer Washed C. Co., No. 1	Carterville	7	65	9.0	do.	do.	do.	do.	do.	19,344
31	Watson Coal Co., No. 2.	Herrin	7	78	9.0	do.	do.	do.	do.	do.	8,000
32	Beltz Coal Co.	Carterville	7	30	9.0	do.	do.	do.	do.	do.	4,316
33	J. W. Ingram & Son.	Marion	6	124	4.0	do.	do.	do.	do.	do.	8,588
34	John A. Young.	Carterville	6	50	7.0	do.	do.	do.	do.	do.	4,562
35	Lake Creek Coal Co.	Johnston City.	7	319	10.0	do.	do.	do.	do.	do.	3,000

Table 99—Continued.

Physical Character of Coal Mines, 1906—Continued.

WILLIAMSON COUNTY—Concluded.

[illegible]

WOODFORD COUNTY.

[illegible]

TABLE 100—*Summary of the Physical Character of the Coal Mines of the State, Geological Number of Seams, Manner of Working, Kind of Openings and Tons Produced.*

GEOLOGICAL NUMBER OF SEAM.	Number of Counties	Number of mines.	MANNER OF WORKING.			CHARACTER OF OPENING.				Tons.
			Long wall.	Pillar and room.	Strip.	Shaft.	Slope.	Drift.	Strip.	
1	14	73	1	72	.....	43	9	21	.....	693,708
2	20	191	46	145	.....	98	21	72	.....	5,440,305
3	2	10	.....	10	.....	7	.....	3	.....	12,203
4	1	1	.....	1	.....	1	.....	.....	.....	37,036
5	21	254	4	249	1	149	28	76	1	9,829,466
6	24	335	.....	333	2	260	32	41	2	15,661,702
7	14	130	.....	130	.....	88	17	25	.....	6,580,002
14	1	9	.....	9	.....	9	.....	.....	.....	10,523
Pocket....	1	1	.....	1	.....	1	.....	.....	.....	2,420
Not given	5	14	.....	13	1	7	.....	6	1	50,216
Totals		1,018	51	962	4	663	107	244	4	33,317,581

FIRST INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Grundy, Kankakee, LaSalle and Will.

HECTOR MCALLISTER, *Inspector, Streator.*

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Ill.

SIR—In compliance with section 12 of an Act of the General Assembly of the State of Illinois, defining the duties of the State inspectors of coal mines and providing for the health and safety of persons employed therein, I submit the first annual report of coal mines in the first inspection district as now formed, for the year ending June 30, 1906.

The district includes the coal producing counties of Grundy, Kankakee, LaSalle and Will. The report contains tabulated statements showing the number of mines in operation, both shipping and local; the depth of the coal seams; the number of new and abandoned mines; the total number of persons at each mine; the tons of lump and other grades of coal produced; the price per ton paid for mining; the value of lump and other grades of coal per ton at the mine, and the aggregate value of the total product; the number of kegs of powder and the number of pounds of dynamite consumed; the casualties in and around the mines, both fatal and non-fatal; the number of wives made widows, and the children left fatherless, caused by casualties in and around the mines; also the number of days of active operation at every mine in the district.

The following is a summary for all the counties in the district:

Total number of mines.....	
Number of shipping mines.....	
Number of local mines.....	
Number of new mines.....	
Number of abandoned mines.....	
Number of miners.....	
Number of others underground.....	
Number of boys underground.....	
Number of employes above ground.....	
Total number of employes.....	
Total tons of coal produced, all grades.....	2.93
Total tons of mine run.....	29
Total tons of lump.....	1.63
Total tons of egg.....	27
Total tons of nut.....	9
Total tons of screenings.....	57
Total tons of slack burned and wasted.....	6
Average value per ton of mine run at the mine.....	\$
Average value per ton of lump.....	
Average value per ton of egg.....	
Average value per ton of nut.....	
Average value per ton of screenings.....	
Aggregate value of total product, all mines.....	\$4.11
Average price paid per gross ton for hand mining, shipping mines.....	\$

Average number of days of active operation, shipping mines.....	207
Number of kegs of powder used.....	21,859
Number of pounds of dynamite used.....	9,831
Tons of coal shipped from the mines.....	2,364,675
Tons supplied to locomotives.....	96,160
Tons sold to local trade, shipping mines.....	142,879
Tons sold to local trade, local mines.....	71,253
Tons sold to local trade, all mines.....	214,132
Tons consumed and wasted at the plant, shipping mines.....	261,868
Number of fatal accidents.....	17
Number of non-fatal accidents.....	70
Number of wives made widows.....	12
Number of children left fatherless.....	42
Tons of coal mined to each fatal accident.....	172,725
Tons of coal mined to each non-fatal accident.....	41,948
Number of employes to each fatal accident.....	417
Number of employes to each non-fatal accident.....	101
Ratio of fatal accidents to each 1,000 persons employed.....	2.4

The following statement gives the coal production by counties now composing the First District, with the increase and decrease in each for the years ending June 30, 1905-1906.

COUNTIES.	TOTAL OUTPUT IN TONS.		Increase.	Decrease.
	1905	1906		
Grundy.....	1,326,109	1,170,625		155,484
Kankakee.....	700	28,419	27,719	
LaSalle.....	1,696,853	1,596,327		101,526
Will.....	128,751	141,959	13,208	
Total.....	3,152,413	2,936,330	40,927	257,010
Net decrease.....				216,083

The counties of Kankakee and Will show an increase of 40,927 tons over 1905, while Grundy and LaSalle counties show a decrease of 257,010 tons, leaving a net loss for the district compared with 1905 of 216,083 tons. The cause of the decrease in tonnage is due to the strike for the months April and May.

The new apportionment of the counties making ten inspection districts instead of seven, which change went into effect July 1, 1905, transferred Livingston county from the old first district to the new third.

NEW MINES.

In LaSalle county Joseph Warmek and the Lowell Pottery Company have opened new mines at Lowell.

Al. Haskins has opened a new mine west of Ottawa.

ABANDONED MINES.

The Wilmington Coal Mining and Manufacturing Co. has abandoned its No. 5 mine at Diamond, Grundy county.

In LaSalle county, L. D. Brewer; Howell & Baker; Ringer & Hostetter, and Daniel Vazine have abandoned their mines west of Ottawa.

L. D. Morse has abandoned his mine at Lowell.

Lockwood & Dietman have abandoned their mine north of Wilsman.

Oscar Kimes has abandoned his mine southwest of Streator.

CHANGE OF OWNERSHIP.

Joseph Starkey has purchased the mine formerly operated by William Voigt, north of Wilsman, LaSalle county.

PROSPECTIVE MINES.

The LaSalle County Carbon Coal Co., LaSalle, LaSalle county, is sinking a new shaft at Cedar Point, about five and one-half miles from LaSalle; it will be known as No. 5 mine. The tower, engine house and boiler room will be of steel, and all other buildings will be built of brick.

The hoisting shaft is now down 136 feet; it is expected to reach coal at a depth of 525 feet; this will be No. 2 seam of the geological section. Both shafts are being sunk at the same time; the hoisting shaft is 16 by 12 feet and three inches; the cages will be 15 feet long. The intention is to hoist two cars on one deck, end on. The shaft when opened will have a capacity for hoisting 2,000 tons in eight hours. This mine is located on a new railroad now being built by the Chicago, Milwaukee & St. Paul Railway Company, from Oglesby to Granville; when completed this will be one of the largest coal shafts in Illinois.

Oscar Kimes is sinking a shaft two and one-half miles northeast of Streator, LaSalle county.

FIRES AT MINES.

Early in the morning of February 17, 1905, fire broke out in the top works of the No. 6 mine of the Wilmington Coal Mining and Manufacturing Co. at Torino, Will county. The tower, shaker screen, railroad scales and fan house at the escapement shaft were destroyed; the fire also extended down both shafts burning out the curbing from top to bottom; the timbers on each side of the bottom, for sixty feet, were also burned out; six mules were suffocated by the smoke. The estimated loss was \$30,000.00.

June 25, 1906, the tippie of the LaSalle County Carbon Coal Co., LaSalle county, was destroyed by fire. The tippie was located on the C., B. & Q. railroad, about 750 feet from the hoisting shaft. The pit cars run down an incline, by the endless chain system, where the coal is dumped into the railroad cars. The loss is estimated at \$4,000.00.

FATAL ACCIDENTS.

July 5, 1905, John Madison, night watchman, aged 60 years, married, employed at the LaSalle shaft of the LaSalle County Carbon Coal Co., was instantly killed at the coal chutes of the Illinois Central railroad, about 300 feet from the shaft. It was the duty of the deceased to coal the engines during the night, but it could not be ascertained how the accident occurred. It is supposed, however, that, while waiting for an engine to coal he fell asleep, leaning over the railing at the top of chutes, and fell to the railroad track below, a distance of 30 feet; his body was found sometime afterwards, his head having been severed from the body. He leaves a widow and two children.

July 17, 1905. Desire Herroatin, driver, aged 24 years, single, was seriously injured in the No. 1 mine of the LaSalle County Carbon Coal Co., LaSalle county. Deceased was coming out with loaded trip, and was sitting on the front end of the car; his head was caught between the roof and the loaded car, fracturing his skull. He was removed to the hospital where he died the following day.

August 14, 1905. John Underko, driver, aged 30 years, married, was severely injured by being crushed between two pit cars, in the No. 1 mine of the Chicago, Wilmington & Vermilion Coal Co., Streator, LaSalle county. He was removed to the hospital where he died the third day after the accident. He leaves a widow and three children.

September 1, 1905. George Plasko, miner, aged 39 years, married, was seriously injured by falling rock in the No. 2 mine of the C. W. & V. Coal Co., Streator, LaSalle county. Deceased was removed to the hospital where he died October 14. He leaves a widow.

September 9, 1905. Charles Bendeno, miner, aged 28 years, married, was instantly killed by falling rock at the face of his working place in the No.

3 mine of the Big Four Wilmington Coal Co., Elleen, Grundy county. He leaves a widow and one child.

September 28, 1905. William Brewis, miner, aged 57 years, married, was seriously injured by falling coal at the face of his working place in the No. 2 mine of the C. W. & V. Coal Co., Streator, LaSalle county. The deceased was sitting down, mining, when a piece of coal fell, striking and knocking his head against the building, fracturing his skull. He died about an hour after the accident occurred. He leaves a widow and eight children, three dependent.

September 29, 1905. Joseph Lessay, Jr., miner, aged 17 years, single, was instantly killed by falling rock at his road head in the No. 6 mine of the Wilmington Coal Mining and Manufacturing Company at Torino, Will county.

October 17, 1905. Matthew Murray, top foreman, aged 48 years, married, was seriously injured about the body; he was caught between two railroad cars at the Rockwell mine of the LaSalle County Carbon Coal Co., LaSalle, LaSalle county. Deceased was removed to the hospital in LaSalle, where he died three hours after the accident. He leaves a widow and two children.

December 30, 1905. John Pulternawitch, miner, aged 45 years, married, was seriously injured by falling coal in the Rockwell mine of the LaSalle County Carbon Coal Company, LaSalle, LaSalle county. Deceased was preparing to set some sprags in the coal when it fell on him breaking his back. He was removed to the hospital in LaSalle, where he died January 11, 1906. Deceased leaves a widow and four children.

January 13, 1906. John Gruber, miner, aged 63 years, married, was killed instantly by falling rock in the Union mine of the LaSalle County Carbon Coal Co., Peru, LaSalle county. Deceased was sitting down mining when a mass of rock fell on him, with the result as stated. He leaves a widow and seven children.

January 26, 1906. Ludwig Kelner, miner, aged 46 years, married, was instantly killed in the Acme shaft of the Acme Coal Company, Streator, LaSalle county. The engineer was letting the men down in the morning, deceased and seven other men were on the cage; the engineer lost control of his engine, letting the men down very fast, when the cage struck the bottom he reversed the engine, the cage was raised about six feet; the head of the deceased struck against the door, breaking his neck. None of the other men were injured. He leaves a widow and two children.

February 12, 1906. John Prouchio, miner, aged 43 years, married, was instantly killed by falling rock on his road head in the No. 5 mine of the Big Four Coal Company, Carbon Hill, Grundy county. Deceased was loading a car, when the rock fell without warning, with the result as stated. He leaves a widow and four children.

February 26, 1906. Louis Pelletto, roadman, aged 24 years, single, was killed instantly by falling rock in the Deer Park mine of the Illinois Zinc Company, LaSalle county. Deceased and his partner, Charles Blow, were brushing a cross-road; the night boss told them to take down the loose rock on the switch before firing the shot in the brushing. Pelletto went to take down the loose rock, his partner told him to stand to one side where the roof was good; deceased replied that it was nothing to be afraid of and stood directly under the rock, knocking the prop out; the rock fell on him with the result as stated.

March 15, 1906. David Frances, driver, aged 26 years, single, was seriously injured by being caught between the roof and a loaded car in the No. 4 mine of the Wilmington Coal Mining and Manufacturing Company, Braidwood, Grundy county. He died one week after the accident occurred.

March 17, 1906. Frank Slipicka, miner, aged 17 years, single, was killed instantly by falling rock at the face of his working place, in the No. 6 mine of the Braceville Coal Company, Braceville, Grundy county. Deceased neglected to properly secure his place with props; he was throwing coal out from the right hand side of his roadway, when the rock fell with the result as stated.

March 23, 1906. Pacific Burns, miner, aged 24 years, single, was seriously injured at the face of his working places by falling rock in the Rockwell

mine of the La Salle Carbon Coal Company, La Salle county. Deceased was taken to the hospital in La Salle, where he died May 16, 1906.

June 20, 1906. Louis Gallo, miner, aged 40 years, married, had his leg broken by falling rock at the face of his working place, in the No. 7 mine of the Wilmington Star Mining Company, Coal City, Grundy county. Gallo was conveyed to his home where the physician in charge stated that his leg would have to be amputated, but Gallo would not consent to have his leg taken off. He died the next morning.

There was one other fatal accident which occurred in the No. 6 mine of the Wilmington Coal Mining and Manufacturing Company at Torino, Will county. George Dare, miner, aged 52 years, married, went into this mine August 31, 1905, to look at the conditions and if the place suited he would apply for work. He had only been in the mine about 15 minutes when a rock fell, killing him instantly. This is not included in the list of fatal accidents as Dare was not an employé of the mine.

The tables of the fatal and non-fatal casualties follow, also the statistical tables by counties, showing the output, prices, values and other detailed information regarding the coal industry of the First district.

Respectfully submitted,

HECTOR MCALLISTER,

State Inspector of Mines, First District, Streator, Ill.

Fatal Casualties—First District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1906										
July	5 John Madison	60	Night watch- men	LaSalle	1	1	2			Falling from chutes..
	17 Desire Herotin	24	Driver	do.				1		Roof and pit car.
Aug.	14 John Underko	30	do.	Streator	1	1	3		3	Pit cars
Sept.	1 George Plasko	39	Miner	do.	1	1			1	Falling rock.
	9 Chas. Bendeno	28	do.	Eileen	1	1	1		2	do.
	28 William Brewis	57	do.	Streator	1	1	8		3	Falling coal.
	29 Joseph Lessay	17	do.	Godley				1		Falling rock.
Oct.	17 Matthew Murray	48	Top foreman	LaSalle	1	1	2		2	Railroad cars
Dec.	30 Jno. Pulternawvitch	45	Miner	do.	1	1	4		3	Falling coal.
1906										
Jan.	13 John Gruber	63	do.	Peru	1	1	7		2	do.
	26 Ludwig Kelner	46	do.	Streator	1	1	2		2	Descending cage.
Feb.	12 John Prouchio	43	do.	Carbon Hill	1	1	4		4	Falling rock
	26 Louis Pelletto	24	Roadman	Oglesby				1		do.
March	15 David Francis	26	Driver	Braidwood				1		Roof and pit car
	17 Frank Slipicka	17	Miner	Braceville				1		Falling rock
	23 Pacific Brunr	24	do.	LaSalle				1		do.
June	20 Louis Gallo	40	do.	Coal City	1	1	2		2	do.
	Total	17			11	11	35	6	24	

Recapitulation of Fatal Casualties—First District—July 1, 1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Braceville	1	Drivers	3	Descending cage	1	Acme Coal Co.	1
Braidwood	1	Miners	11	Falling coal.	3	Braceville Coal Co.	1
Carbon Hill	1	Night watch	1	Falling rock	8	Big Four Wilm. Coal Co.	2
Coal City	1	Roadman	1	Falling from chute	1	C. W. & V. Coal Co.	3
Eileen	1	Top foreman	1	Pit cars	3	Illinois Zinc Co.	1
Godley	1			Railroad cars	1	LaSalle C. C. Co.	6
LaSalle	5					Wilm. Coal M. & Mfg. Co.	2
Oglesby	1					Wilm. Star Mining Co.	1
Peru	1						
Streator	4						
Total	17		17		17		17

Non-Fatal Casualties—First District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost, days.
1906									
July	3 Louis Byrne	40	Oglesby	1		7		8 Ankle injured, falling rock.	38
	7 A. Franceses	45	Torino	1	1			Leg broken, falling rock.	112
	7 Ceaser Longue	46	S. Wilmington	1	1			Finger mashed, falling coal.	42
	10 Hubert Smith	44	Coal City	1	1			Face burned, pdr. explosion.	35
	16 Thomas Murphy	36	Braidwood	1	1			Back bruised, falling coal.	42
	16 Chas. Doherty	50	Pera	1	1			Leg injured, falling rock.	36
	22 Thos. Rotegas	50	Spring Valley	1	1			Toe cut off, falling rock.	50
Aug.	1 William Wey	50	LaSalle	1	1			Finger mashed, falling rock.	60
	5 John Haran	21	do	1	1			Finger dislocated, falling rock.	40
	14 Chas. Alerina	21	Braceville	1	1			Back bruised, falling rock.	36
	17 A. Gallaido	21	S. Wilmington	1	1			Finger mashed, falling coal.	36
	16 Severno Balletti	21	do	1	1			Shoulder bruised, falling rk.	36
	21 William Slinatti, Jr.	17	S. Wilmington	1	1			Leg injured, falling rock.	36
	26 John Jackson	51	Central City	1	1			Back bruised, falling rock.	36
	30 Barney Peona	25	Braceville	1	1			Leg broken, falling coal.	84
	31 James McVey	25	LaSalle	1	1			Back bruised, falling coal.	30
Sept.	9 John Reynolds	23	Doon Park	1	4			Back bruised, falling rock.	79
	11 John Maylick	29	LaSalle	1	1			Eye put out, flying coal.	90
	16 Louis Cantra	36	Coal City	1	1			Leg broken, falling rock.	125
	29 John Sebeck	25	Braidwood	1	1			Finger mashed, falling rock.	49
Oct.	5 William Schmidt	46	LaSalle	1	1			Finger broken, falling rock.	90
	5 Andrew Whitko	26	Central City	1	1			Hand bruised, chute apron.	49
	10 Peter Dina	30	S. Wilmington	1	1			Finger mashed, falling coal.	36
	17 Joe Mayham	30	Carbon Hill	1	1			Ankle broken, falling rock.	60
	13 John Vrobbie	23	S. Wilmington	1	1			Leg broken, falling rock.	182
	21 Dominic Bracco	25	Diamond	1	1			Finger mashed, falling rock.	42
	32 Mike Degles	40	Braceville	1	1			Ankle bruised, falling rock.	36
	30 William Castetter	33	Streator	1	1			Hand injured, falling coal.	49
	31 Frank Yarosimski	23	Pera	1	1			Leg injured, falling rock.	120
Nov.	6 Peter Peredotto	21	Diamond	1	1			Foot crushed, falling rock.	42
	8 D. Zamer	23	Godley	1	1			Leg broken, falling timber.	66
	9 John Bollara	24	S. Wilmington	1	1			Side bruised, falling rock.	60
	16 John Corpan	25	Streator	1	1			Leg injured, falling coal.	60
	25 Stephen Stoker	17	Kangley	1	1			Leg broken, pit cars.	120
	27 Frank Kluski	23	Rutland	1	1			Leg broken, falling rock.	156
Dec.	2 Geo. Dolack	26	Central City	1	1			Back injured, falling rock.	120
	4 George Palko	26	Streator	1	1			Body bruised, falling rock.	76
	12 Stany Pegrina	30	Oglesby	1	1			Leg broken, falling rock.	100
	12 Frank Chemeski	30	LaSalle	1	1			Leg broken, falling coal.	45
	18 William Lohmar	30	Coal City	1	1			Shoulder bruised, falling rk.	130
	21 Frank Male	30	LaSalle	1	1			Leg broken, falling coal.	96
	29 Joe Bravski	19	Oglesby	1	1			Leg broken, falling coal.	96
1906									
Jan.	4 A. G. Anderson	43	Braceville	1	1			Leg broken, falling rock.	156
	5 V. Bendervich	30	Kangley	1	4			Leg and back inj. fall. rock.	90
	11 Anton Pak	46	Coal City	1	1			Leg injured, falling rock.	30
	11 John Guzzardo	22	do	1	1			Finger mashed, falling coal.	35
	11 James Ropp	22	Streator	1	1			Ribs broken, pit cars.	60
	11 Stany Salsieski	22	LaSalle	1	1			Foot crushed, falling rock.	30
	15 Anton Morello	33	Diamond	1	1			Leg and bk. bruised, fal. rk.	112
Feb.	24 F. Columbus	49	S. Wilmington	1	1			Leg injured, falling rock.	36
	17 John Chreshonne	48	LaSalle	1	1			Leg injured, falling rock.	36
	19 S. Kroski	24	do	1	1			Finger broken, falling rock.	36
	26 A. Perola	48	Braidwood	1	1			Eye injured, flying coal.	70
	26 Frank Kocca	49	do	1	1			Elbow bruised, falling rock.	95
	26 Peter Kawalski	30	LaSalle	1	1			Leg broken, falling rock.	35
Mar.	1 Andrew Brown, Sr.	40	Braidwood	1	1			Hand injured, falling rock.	35
	4 D. Warski	41	LaSalle	1	1			Leg broken, falling coal.	30
	7 A. Krasniewski	35	Braidwood	1	1			Finger mashed, falling coal.	30
	10 John Bohamovitch	35	LaSalle	1	1			Finger mashed, falling coal.	36
	16 Peter Kasema	28	Oglesby	1	1			Finger broken, falling rock.	60
	24 John Krasneck	30	LaSalle	1	1			Leg broken, falling rock.	90
	24 M. Siachowak	40	do	1	1			Leg broken, falling rock.	30
	24 Samuel Lanowski	31	S. Wilmington	1	1			Leg broken, falling coal.	30
	27 John Ryzewer	38	Oglesby	1	1			Leg broken, falling coal.	30
	27 A. Blukove	38	S. Wilmington	1	1			Leg broken, falling rock.	30
	30 M. Fabreiko	32	Kangley	1	3			Leg bruised, falling rock.	30

Non-Fatal Casualties—First District—Concluded.

Date.	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1906								
April 12	B. Gay.....	38	S. Willingt'n	1	2	3	Arm broken, falling rock..	30
May 10	J. Mellendo.....	35	Oglesby.....	1	2	3	Leg broken, pit cars.	*
June 24	P. Blessent.....	40	S. Willingt'n	1	2	3	Ribs broken, pit cars.	*
	Total.....			47	23	147		

*Not recovered July 1, 1906.

Total number of men injured.....	70
Not recovered July 1, 1906.....	8
Number recovered July 1, 1906.....	62
Time lost by men recovered.....	4,115
Average days lost by men recovered.....	66.4

Recapitulation of Non-Fatal Casualties—First District—July 1, 1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Braceville.....	5	Drivers.....	6	Coal chute.....	1	Acme Coal Co.....	1
Braidwood.....	6	Miners.....	54	Falling coal.....	15	Braceville Coal Co.....	9
Carbon Hill.....	1	Roadmen.....	9	Falling rock.....	47	Big Four Wilm. Coal Co..	3
Coal City.....	5	Trappers.....	1	Flying coal.....	1	C. W. & V. Coal Co.....	13
Central City.....	3			Falling timber.....	1	Illinois Zinc Co.....	5
Diamond.....	3			Pit cars.....	4	LaSalle County C. C. Co..	18
Deer Park.....	1			Powder explosion....	1	Murphy, Keenan & Co....	5
Eileen.....	1					Mrs. E. Hakes.....	1
Godley.....	1					Oglesby Coal Co.....	3
Kangley.....	3					Star Coal Co.....	3
LaSalle.....	15					Wilm. C. M. & Mfg. Co....	5
Oglesby.....	6					Wilm. Star Mining Co....	4
Peru.....	2						
Rutland.....	1						
Streator.....	4						
Torino.....	1						
S. Wilmington..	11						
Spring Valley..	1						
Total.....	70		70		70		70

*Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conju
Relations and Time Lost—First District—July 1, 1906.*

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.	
					Total days.	Average days.
Ankle injured.....	2	2		15	74	37.00
Ankle broken.....	1		1		60	60.00
Arm broken.....	1	1		3	30	30.00
Body bruised.....	1	1		4	32	32.00
Back bruised.....	5	5		15	294	58.80
Eye put out.....	1	1		5	79	79.00
Eye injured.....	1	1			56	56.00
Elbow bruised.....	1	1		6	70	70.00
Face burned.....	1	1		1	35	35.00
Foot crushed.....	2		2		102	51.00
Fingers mashed.....	10	6	4	16	394	39.40
Fingers broken.....	2	1	1	3	126	63.00
Hands injured.....	3	3		7	132	44.00
Legs broken.....	22	12	10	30	1,834	107.88
Leg injured.....	8	7	1	17	393	65.50
Leg dislocated.....	1		1		40	40.00
Legs and back injured.....	2	2		7	120	60.00
Ribs broken.....	2	1	1	3	60	60.00
Shoulder injured.....	2	1	1	1	78	39.00
Side bruised.....	1	1		6	56	56.00
Toe cut off.....	1		1		50	50.00
Totals, average and percentage.....	70	47	23	141	4,115	66.37



Grundy County—First District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MI			
			Mine run.	Lump.	Egg.	Nut.
SHIPPING MINES.						
1	Chi. Wilm. & Ver. Coal Co., No. 2.	S. Wilmington	125,379	23,119		4
2	Chi. Wilm. & Ver. Coal Co., No. 1.	do.	128,784	18,108		4
3	Braceville Coal Co., No. 5	Braceville	106,582			2
4	Big Four Wilmington Coal Co., No. 3	Carbon Hill	57,307		22,699	2
5	Big Four Wilmington Coal Co., No. 6	do.	47,846		26,698	2
6	Big Four Wilmington Coal Co., No. 5	do.	76,406			1
7	Braceville Coal Co., No. 6	Braceville	74,587			2
8	Wilmington Star Mining Co., No. 6	Coal City	30 44,486	1,773	11,354	2
9	Wilmington Star Mining Co., No. 5	do.	38,999		709	1
10	Wilmington C. M. & M'fg. Co., No. 4	Diamond	36,607			1
11	Wilmington Star Mining Co., No. 7	Coal City	17,135		1,146	1
Totals			30 754,118	43,000	62,606	26
LOCAL MINES.						
1	Braidwood-Wilm. Coal Co., No. 1	Braceville	3,000			
2	William Wood	Morris	3,250			
3	Morris Coal Co	do.	2,100			
4	Mitchell Bros	do.	2,500			
5	J. K. Telfer	do.	2,162			
6	Hyrne & Fleming	do.	2,000			
7	William Mitchell	do.	1,800			
8	Frank Gilbride	do.	1,800			
9	J. H. Cryer	do.	1,701			
10	James Bell	do.	1,350			
11	James Heather	do.	900			
12	Max Davidson	do.	878			
13	Henry Tasdall	do.	896			
Totals			24,337			
Totals—24 mines			30 778,455	43,000	62,606	26

Mines reported for 1905, 24.
Mines in 1906, 24.

Grundy County—First District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					EMPLOYEES.			
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Days of active operation.	Tons mined by hand.	Average number of miners.	All other employees.	Total.
192,123	192,123	\$268,741	180,762		6,603	4,758	194	192,123	354	97	451
189,877	189,877	266,005	183,678		1,026	5,173	196	189,877	370	115	485
132,318	132,318	181,891	124,753		2,800	4,765	218	132,318	227	81	308
107,559	107,559	114,842	102,999			4,560	191	107,559	190	60	250
3,200	102,411	107,413	99,211			3,200	224	102,411	161	51	212
6,000	101,861	110,610	90,361		5,500	6,000	186	101,861	165	54	219
96,888	142,431	90,727				6,161	220	96,888	170	61	231
2,555	83,119	93,789	80,564			2,555	221	83,119	165	55	220
1,278	54,894	65,318	51,165		2,451	1,278	225	54,894	95	69	164
2,420	49,417	55,594	45,926		1,071	2,420	153	49,417	100	35	135
2,210	32,677	32,200	30,467			2,210	228	32,677	52	41	93
22,223	1,143,144	\$1,438,834	1,080,613		19,451	43,080	205	1,143,144	2,049	719	2,768
4,000	\$7,750				4,000		180	4,000	6	2	8
3,322	9,010				3,322		250	3,322	10	2	12
2,900	5,490				2,900		210	2,900	10	2	12
2,600	6,995				2,600		180	2,600	7	1	8
2,312	6,096				2,312		250	2,312	8	1	9
2,020	5,520				2,020		208	2,020	6	1	7
1,900	5,050				1,900		215	1,900	6	1	7
1,880	5,030				1,880		190	1,880	7	1	8
1,801	4,778				1,801		166	1,801	5	1	6
1,650	4,046				1,650		180	1,650	5	1	6
1,100	2,675				1,100		200	1,100	6	1	7
1,078	2,665				1,078		155	1,078	4	1	5
918	2,531				918		154	918	5	1	6
27,481	\$67,636				27,481		196	27,481	85	16	101
22,223	1,170,625	\$1,506,470	1,080,613		46,932	43,080		1,170,625	2,134	735	2,869

STATISTICS OF LARGE

LANCASHIRE COUNTY—FIFTH DISTRICT—1000

CERTIFICATE OF EXPORT

NAME OF OPERATOR

Purpose:
nature
of
export

Mine title

Lump

High

Net

SHIPPING: MINES

14 Consolidated Coal & Iron Co

(Cany City)

27,115

222

24

Shown reported for 1906 :
Shown in 1906 : 1

Kankakee County—First District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYEES.			
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Average number of miners.			All other employes.	Total.	Number.	
.....	28,419	\$43,567	25,343	.....	1,076	2,000	220	28,419	43	25	68	1

LaSalle County—First District—Concluded.

			OUTPUT OF MINE—				
Number.	NAME OF OPERATOR.	Postoffice address of the mine.	Mine run.	Lump.	Flgs.	Nut.	Pct. or screenings.
SHIPPING MINES.							
1	LaSalle Co. Carbon Coal Co., No. 1	LaSalle	697	96,494	41,372		36,232
2	LaSalle Co. Car. Coal Co., Union	do.	1,008	74,176	41,076		32,909
3	Acme Coal Co.	Streator		79,616		7,419	32,665
4	Oglesby Coal Co., Oglesby	Oglesby	3,080	111,085	2,107	6,580	19,961
5	LaSalle Co. Car. Coal Co., LaSalle	LaSalle	6,985	57,612	40,741		28,591
6	LaSalle Co. Car. Coal Co., Rockwell	do.	3,597	60,969	34,497		23,324
7	Matthiessen & Hegeler Zinc Co., M. & H. Z. Co.	do.	116,750				
8	Chi. Wilm. & Ver. Coal Co., No. 2	Streator		59,267	25,770		18,129
9	Star Coal Co., No. 5	Kangley	2,008	55,056		315	28,474
10	Chi. Wilm. & Ver. Coal Co., No. 1	Streator		28,349	30,436		27,322
11	Illinois Zinc Co., No. 1	Peru	73,230				
12	James Cahill Estate, No. 1	do.		44,990			9,359
13	Mrs. E. Hakes, No. 2	Rutland	16,171	37,494			5,178
14	Star Coal Co., No. 4	Kangley		26,456		2,950	6,355
15	Howe Coal Co., No. 1	Streator	5,728	19,950			7,142
16	Munts Bros., No. 2	do.	3,430	4,599			2,009
17	North Wilmington Coal Co., No. 1	Seneca	6,986				
18	William Francis & Co., No. 1	Streator		2,950			1,235
Totals			229,745	749,332	216,999	17,175	273,234
LOCAL MINES.							
1	Manufacturers Coal Co., No. 1	Marseilles	21,573				
2	Evans Bros., No. 2	Streator		4,144			1,664
3	Joe Sowerby & Co., No. 2	do.	5,080	700			
4	Haar Bros., No. 2	do.		2,950			1,329
5	Ed. Evans & Son, No. 1	do.		2,400			1,009
6	Louis Evans & Son, No. 1	Kangley		3,390			159
7	Matthew White, No. 1	Ottawa		2,400			299
8	Nelson & Stokes, No. 2	Streator		1,330			659
9	William McMillin, No. 2	do.		1,980			699
10	William Voight, No. 1	Wilsman		980			259
11	William G. Francis, No. 1	Streator		680			329
12	Fred Brooker, No. 1	Lowell		750			129
13	William Mertz	Ottawa		800			289
14	Johnson & Hendis	do.		580			69
15	William Botomley, No. 1	Lowell		492			39
16	Adam Crompton	Ottawa		435			39
17	Lowell Pottery Co.	Lowell		300			39
18	John McNeil	Kangley		250			39
19	Joseph Warrick	Lowell		240			39
20	Al. Haskins	Ottawa		175			39
21	George Steele	do.		160			
22	Chas. Hepp	do.		125			15
23	James McCullough	do.		120			39
Totals			26,573	24,621			7,651
Totals 41 mines			266,318	773,953	216,999	17,175	286,885

Mines reported for 1905 45.

New mines 3.

Abandoned mines 7

Mines in 1906 41.

LaSalle County—First District—1906.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
93	174,928	\$280,093	167,620		1,797	5,511	206	174,928	268	124	392	1
23,248	150,664	238,796	94,149	27,516	24,030	4,969	218	150,664	243	114	357	2
	143,342	176,191	109,609		10,485	23,248	209	143,342	237	83	320	3
	143,243	224,165	131,615		4,052	7,576	229	143,243	215	106	321	4
1,426	133,165	209,965	75,503	30,382	21,772	5,508	223	133,165	225	115	340	5
	122,997	197,580	119,122			3,875	205	122,997	220	111	331	6
	116,750	175,125				116,750	262	116,750	72	31	103	7
2,275	103,186	138,708	96,320		1,186	5,680	225	103,186	180	61	241	8
	88,128	110,081	85,853			2,275	217	88,128	145	40	185	9
	86,107	101,890	78,609		2,098	5,400	230	86,107	145	63	208	10
	73,220	109,830	71,391		636	1,193	304	73,220	99	60	159	11
1,750	56,099	89,793	14,379	22,944	17,026	1,750	230	56,099	133	50	183	12
5,000	53,753	76,840	29,633	15,318	3,802	5,000	155	53,753	113	50	163	13
	35,764	47,832	34,617		1,147		230	35,764	79	29	108	14
305	33,155	53,171	19,480		13,370	305	233	33,155	44	18	62	15
	10,919	18,402	3,420		7,423	76	180	10,919	15	6	21	16
	6,986	13,273	3,847		2,746	393	190	6,986	24	7	31	17
	4,176	6,513	1,760		2,416		165	4,176	8	4	12	18
34,097	1,536,582	\$2,268,248	1,136,927	96,160	113,986	189,509	217	1,536,582	2,465	1,072	3,537	
	21,573	\$43,146				21,573	150	21,573	65	24	89	1
	5,800	10,110			5,800		230	5,800	9	3	12	2
	5,100	5,200			5,100		225	5,100	7	2	9	3
	4,800	6,912			4,800		204	4,800	6	2	8	4
	4,000	5,760			4,000		175	4,000	6	2	8	5
	3,450	6,675			3,450		172	3,450	5	2	7	6
	2,600	5,000			2,600		200	2,600	6	2	8	7
	2,400	4,368			2,400		160	2,400	5	2	7	8
	2,299	4,149			2,299		128	2,299	6	2	8	9
	1,056	2,082			1,056		160	1,056	4	2	6	10
	990	1,650			990		120	990	7	2	9	11
	870	1,644			870		150	870	4	1	5	12
	700	1,200			700		150	700	3		3	13
	625	1,205			625		160	625	4		4	14
	522	1,022			522		123	522	3		3	15
	445	870			445		180	445	2		2	16
	330	630			330		100	330	3		3	17
	300	550			300		75	300	2		2	18
	260	500			260		100	260	2		2	19
	195	370			195		85	195	2		2	20
	160	320			160		75	160	2		2	21
	140	265			140		110	140	1		1	22
	130	250			130		55	130	2		2	23
	58,745	\$103,878			37,172	21,573	143	58,745	156	46	202	
34,097	1,595,327	\$2,372,626	1,136,927	96,160	151,158	211,082	217	1,595,327	2,621	1,118	3,739	

Will County—First District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Murphy, Keenan & Co., No. 3.....	Braidwood.....	397	35,154	.....	4,202	9,397
2	Wilm. Coal Mining & Mfg. Co., No. 6.....	Diamond.....	.....	18,611	12,538	.....	5,111
3	Joliet-Wilmington Coal Co., No. 2.....	Braidwood.....	2,675	19,114	.....	2,154	7,629
4	Rixson Coal Co., No. 1.....	Braceville.....	1,710	5,395	.....	2,657	3,965
Totals			4,682	77,674	12,538	10,213	26,102
LOCAL MINES.							
1	O'Connor & Co., No. 2.....	Braidwood.....	.....	2,880	.....	.....	1,500
2	Little-Wilmington Coal Co., No. 1.....	do.....	.....	1,400	.....	.....	200
Totals .....			.....	4,280	.....	.....	1,700
Totals—6 mines.....			4,682	82,574	12,538	10,213	27,802

Will County—First District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
1,500	50,550	\$69,465	44,169	.....	4,881	1,500	202	50,550	105	34	139	1
2,000	37,650	46,164	34,501	.....	1,149	2,000	182	37,650	85	25	110	2
660	32,232	47,005	30,172	.....	1,400	660	112	32,232	61	25	86	3
.....	14,927	18,565	12,950	.....	936	1,041	150	14,927	30	30	60	4
4,160	135,359	\$181,199	121,792	.....	8,366	5,201	162	135,359	281	114	395	
.....	5,000	\$10,250	.....	.....	5,000	.....	150	5,000	10	2	12	1
.....	1,600	3,700	.....	.....	1,600	.....	140	1,600	7	1	8	2
.....	6,600	\$13,950	.....	.....	6,600	.....	145	6,600	17	3	20	
4,160	141,959	\$195,149	121,792	.....	14,966	5,201	.....	141,959	298	117	415	

Shipping Mines—Recapitulation by Counties—

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Grundy.....	11	30	754, 118	43, 000	62, 606	261, 167	22, 223	1, 143, 144	\$0.84	.....
Kankakee.....	1	27, 113	962	.....	344	.....	.....	28, 419	0.64	.....
LaSalle.....	18	239, 745	749, 332	216, 999	17, 175	279, 234	34, 097	1, 536, 582	0.741	.....
Will.....	4	4, 682	77, 674	12, 528	10, 213	26, 102	4, 160	135, 359	* 0.84	.....
Totals and av	34	271, 570	1, 582, 086	272, 527	90, 338	566, 503	60, 480	2, 843, 504	\$0.784	.....

Local Mines—Recapitulation by Counties—

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea screenings.	Slack or waste.		Hand mining.	Machine mining.
Grundy.....	13	.....	23, 337	.....	.....	3, 144	.....	27, 481	\$1.394	.....
LaSalle.....	23	26, 573	24, 521	.....	.....	7, 651	.....	58, 745	0.868	.....
Will	2	.....	4, 900	.....	.....	1, 700	.....	6, 600	1.00	.....
Totals and av	38	26, 573	58, 758	.....	.....	12, 495	.....	92, 826	\$1.033	.....
Totals, district — all mines.....	72	298, 143	1, 635, 844	272, 527	90, 338	578, 998	60, 480	2, 936, 330	.....	.....

Whole number of mines reported in 1905, 76.
 Number of new mines opened during the year, 3.
 Number of mines abandoned during the year, 7.
 Whole number of mines reported in 1906, 72.

First District—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
205	1,143,144	.....	\$1.30	\$1.5814	\$1.6409	\$1.3137	\$0.3577	.....	2,049	719	2,768
220	28,419	.....	1.51	2.14	.....	1.65	.....	.....	43	25	68
217	1,536,582	.....	1.5287	1.7046	1.7121	1.3412	0.8231	.....	2,465	1,072	3,537
162	135,359	.....	1.468	1.6184	1.365	1.4289	0.6497	.....	281	114	395
207	2,843,504	.....	\$1.526	\$1.642	\$1.685	\$1.33	\$0.60	.....	4,838	1,930	6,768

First District—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
196	27,481	.....	.....	\$2.64	.....	.....	\$1.121	.....	85	16	101
143	58,745	.....	\$1.8118	2.01	.....	.....	0.845	.....	156	46	202
145	6,600	.....	.....	2.50	.....	.....	1.00	.....	17	.....	20
161	92,826	.....	\$1.818	\$2.3368	.....	.....	\$0.9374	.....	258	65	323
.....	2,936,330	.....	.....	.....	.....	.....	.....	.....	5,096	1,985	7,081

Tons of lump coal produced.....	1,689,189
Tons of all other grades combined.....	622,805
Total product in tons of 2,000 pounds.....	2,311,494
Tons shipped on cars at the mines.....	1,917,880
Tons sold to local trade.....	271,554
Tons used for steam purposes at the mines.....	95,989
Tons supplied to locomotives, at the mines.....	26,071
Aggregate value of the total product.....	\$3,318,025
Number of fatal accidents.....	9
Number of non-fatal accidents.....	87
Total number of accidents.....	96
Number of employes to each fatal accident.....	699
Number of employes to each non-fatal accident.....	72
Tons of coal produced to each fatal accident.....	256,832
Tons of coal produced to each non-fatal accident.....	26,569
Tons of coal produced to each miner employed.....	492
Tons of coal produced to each employe, all classes.....	367
Ratio of fatal accidents per 1,000 persons employed.....	1.4

COMPARATIVE TABLE—OUTPUT FOR TWO YEARS.

The product in tons, in the various coal producing counties now in the Second district for the years ending June 30, 1905, and 1906, is shown in the following table:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905.	1906.		
Bureau	1,751,875	1,547,456	.....	204,419
Henry	159,019	162,429	3,410	.....
Knox	68,961	63,286	.....	5,695
Mercer	544,220	448,068	.....	96,132
Rock Island	78,784	74,021	.....	4,763
Warren	17,486	16,214	.....	1,272
Totals	2,620,365	2,311,494	3,410	312,281
Net decrease—tons .....	.....	.....	.....	306,871

The county of Henry is the only one to show an increase of tonnage over the year previous, and that increase, only 3,410, while the counties of Bureau, Knox, Mercer, Rock Island and Warren show a decrease of 312,281 tons, making a net decrease for the year ending June 30, 1906, of 308,871 tons. This table is based on the counties that now constitute the Second inspection district. In the report for 1905, the counties of Marshall, Putnam and Stark were included in the Second district, but are now transferred to the Third district, because of the increase in the number of districts from seven to ten, which went into effect July 1, 1905.

NEW MINES.

Many new local mines are opened, and others of the same class, abandoned each year, but it is not thought necessary to make a record of them in this report. One mine only of the shipping class has gone into operation during the year, the St. Paul Coal Company's mine No. 2, located at Cherry, Bureau county. Active coal hoisting operations were commenced in December, 1905, and have already attained, at this writing, September 10, 1906, a daily output of over 1,200 tons. This mine is of the first class, a description of the steel tower, machinery, coal seam, etc., was given in the annual coal report for 1905.

MINES ABANDONED.

No shipping mines have been abandoned during the year. However, two mines have taken rather rapid strides in that direction, the shipping of coal having been discontinued. The Yates City Coal Company's mine, located near Yates City, on the Galesburg and Peoria branch of the C., B. & Q. R. R.,

in Knox county was closed during the summer of 1905, and did not resume business until May, 1906, and then as a local mine only, and is now being operated by the Bowman Brothers of Yates City.

The mine operated by the Silvis Mining Company, near Carbon Cliff, in Rock Island county, having railroad connection with theavenport, Rock Island & Northern R. R., was abandoned as a shipping mine in September, 1905 and the railroad tracks taken up. It is now operated as a local mine by C. S. Silvis. It is not likely that either of the above will be operated again as shipping mines.

MAINE DESTROYED BY FIRE.

On Sunday morning, December 24, 1905, between 8 and 9 o'clock, the tower of the Marquette Third Vein Coal Company's mine, located at Marquette, Puzos county, was discovered to be on fire. Five men were in the mine at the time, making repairs. Messengers were sent down the escape shaft to notify those below of the fire and all got out safely by way of that shaft. The tower proper, trestlework, etc., for a radius of 100 feet around the shaft were completely destroyed. The dynamo, winding engine and engine-room, boiler and boiler-room, box car loader, shaker screen, fan, fan house and fan engine were saved. The burning timbers from the tower fell down the shaft and ignited the wooden lining causing the top part of the shaft to cave in making the destruction quite complete. Sixty-two mules were in the mine at the time and, of course, all were lost. The fire is supposed to have originated in the weigh office on the tower, but by what means is unknown, as no one was in the near vicinity at the time. This mine is part of the Devil's estate and was at the time of the fire, and is now in the hands of a receiver. This fact caused considerable delay as to the expediency of reopening the mine. It was finally concluded, however, to do so. Since then, good progress has been made the shaft has been re-timbered, the tower rebuilt and some time in October 1906, it is fair to assume, coal will again be hoisted from this mine.

COAL TRADE DATA.

The coal business in the Second district continues in a rather depressed condition. It was fully expected that after the complete suspension of work during the months of April and May 1906 a revival and busy time would follow. The expectations, however, have not been realized, as the mines in the district from June 1 to September 1 have not averaged more than half time. This can be accounted for from the fact that miners, operators and the larger coal consumers knew that mining operations would practically cease April 1 for an indefinite period. Therefore the mines were run to their full capacity during the month of March, 1906, and the railroads and other large coal consumers secured as large a surplus as possible to tide them over the suspension, and on June 1 probably one-third of that surplus was still on hand. To give a fair estimate of the annual coal producing capacity of the Illinois coal mines the tonnage for the month of March is taken and multiplied by 12, which gives the possible output for one year. In this, the Second district the output from the shipping mines alone, for the month of March, 1906, was 287,690 tons, this multiplied by 12 gives 3,452,740 tons for the year or 3,452,740 tons more than was actually produced from mines of all classes during the year ending June 30, 1906.

DEATHS AND ACCIDENTS.

The following is a detailed statement of the fatal accidents that have taken place in the Second Inspection District during the year ending June 30, 1906.

August 21, 1905, Frank Hellstrom, miner, aged 41 years, married, was killed instantly by falling rock on the face of his working place in the Coal Valley Mining Company's shaft No. 1, Sherrard, Mercer county. Deceased was working alone in the mine and was in the act of mining out the bed

of a shot when a large mass of the roof fell from between mud slips in the roof, crushing him through the body with the result as stated. The rock that fell on him would weigh about $1\frac{1}{2}$ tons. He leaves a widow and six children.

October 30, 1905. Michael Valavinies, miner, aged 38 years, married, was severely bruised on the back by falling roof at the face of his working place in the Spring Valley Coal Company's shaft No. 2, Spring Valley, Bureau county. Deceased was mining in his room when a fall of roof took place, striking him on the back and seriously bruising him. The injury was such that no thought was entertained that it would have a fatal termination, but he failed to rally, and other complications setting in, as a result of the injury, he died two months after the accident. He leaves a widow and one child in some foreign country, probably Russia.

November 6, 1905. Joseph Bocian, miner, aged 38 years, married, was killed instantly by falling coal at the face of his working place, in Spring Valley shaft No. 1, Spring Valley, Bureau county. Deceased, with a partner, was at work and had a large fall of coal prepared by undermining. Bocian had removed the spraggs to let the coal down. It did not come as soon as he expected, and he was preparing to make a wedge hole to wedge the coal down when it fell suddenly, and he was caught between the falling coal and a standing prop, crushing his breast and body. He was dead when extricated. He leaves a widow and two children.

November 15, 1905. Joseph Gentilini, miner, aged 23 years, single, was killed instantly by falling coal at the face of his working place in shaft No. 4, operated by the Spring Valley Coal Company, Seatonville, Bureau county. From the evidence given at the inquest, it would appear that deceased had prepared a fall of coal and endeavored to take it down, but failed to do so. He commenced to mine the coal to a greater depth and was thus employed when a large mass, about $1\frac{1}{4}$ tons suddenly fell, crushing him through the chest.

December 22, 1905. Frank Manardi, miner, aged 39 years, married, was killed almost instantly by having his head crushed between two empty pit cars in shaft No. 4 of the Spring Valley Coal Company, Seatonville, Bureau county. The driver had brought in two empty cars, and left them securely blocked on a slight grade, where the miners usually went to get their empty cars. There were no eye witnesses to this accident, but it is assumed that deceased went between the empty cars, one of which he was to take into his room, and in doing so displaced the block. This started the front car down a much steeper gradient, deceased going with it, probably riding on the hind end of the car. About 80 feet from where the cars were standing was a switch. At this switch the car left the track, throwing him down, and before he could recover himself, the second car following rapidly down the grade, his head was crushed between the bumpers of the cars. He died shortly afterwards, never having regained consciousness. He leaves a widow and two children.

March 6, 1906. Joseph Barron, driver, aged 22 years, single, was severely crushed through the lower part of the abdomen by being thrown under a moving loaded pit car in shaft No. 2 of the Spring Valley Coal Company, Spring Valley, Bureau county. Deceased was coming out of the main east entry with a trip of two loaded pit cars. Another driver was coming out of the 14th left entry at the same time, when they reached the junction, simultaneously, a collision, of course, took place. Barron was thrown down and the loaded car ran on to him, producing the injuries from which he died next day, 25 hours after the accident.

March 19, 1906. Edward Hamilton, boss driver, aged 34 years, married, was severely crushed through the body by falling under a trip of loaded pit cars in shaft No. 5 of the Spring Valley Coal Company, Dazell, Bureau count. The duties of deceased were to assist and hurry along the regular drivers whenever required. He went into the northeast section of the mine to look up a driver that seemed late in coming out. He found the driver stuck on a grade. Together they soon got the four-mule team started. Hamilton told the driver to stay by the side of the team and urge the mules along, and he, deceased, would ride on the front car. In stepping onto the car, however, he missed his footing, and fell in front of the trip, and the first car was drawn on top of him before the team could be stopped. Two of

his ribs were broken, and the ends puncturing the lungs, causing internal hemorrhage, from which he died 20 hours later. He leaves a widow and one child.

June 7, 1906. John Roach, miner, aged 55 years, married, was severely injured by coal flying from a premature blast in Cook & Rohrs' local mine, located near Alexis, Warren county. Deceased was working in partnership with his son, a young man about 17 years of age, and according to the son's statement, they had prepared a blast, tamped the hole, and his father had some difficulty in igniting the match to the squib. He had tried to do so two or three times and failed. He held his lamp under the match when the blast suddenly exploded. The loose coal, flying therefrom, struck him on the left side, breaking his thigh and injuring him internally. He died from the injuries received twelve hours later. Deceased and two other miners were all that were employed in the mine. He leaves a widow and six minor children, three of whom, however, can scarcely be classed as dependents.

June 27, 1906. John Rubis, miner, aged 38 years, married, had his back broken by falling roof at the face of his working room in the St. Paul Coal Company's mine No. 2, Cherry, Bureau county. Deceased, in partnership with his brother, was working in a room in the above mine. He had set up a drilling machine on the right hand rib near the face, and was making preparations to drill a hole, when a mass of roof, weighing about 1,600 pounds, suddenly fell, crushing him underneath. He was removed to the hospital at Streator, the home of his family, and lingered until July 19, when he died from the injuries received. He leaves a widow and four children.

Following are the usual tables for each county in the Second inspection district.

Respectfully submitted,

THOMAS HUDSON,

State Inspector of Mines, Second District, Galva, Ill.

Fatal Casualties—Second District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widow.	Children.	Single.	Persons dependent.	Cause of Accident.
1905										
Aug. 31	Frank Hellstrom	42	Miner	Cable	1	1	6			7 Falling roof.
Oct. 30	Mike Valvinies	38	do.	Spring Valley	1	1	1			2 do.
Nov. 6	Joseph Bocian	38	do.	do.	1	1	2			3 Falling coal.
Nov. 15	Joseph Gentilini	23	do.	Seatonville				1		do.
Dec. 22	Frank Manardi	39	do.	do.	1	1	2			3 Pit cars
1906										
Mar. 6	Joseph Barron	22	Driver	Spring Valley				1		Pit car
Mar. 19	Edward Hamilton	34	Boss driver	Dalzell	1	1	1			2 do.
June 7	John Roach	55	Miner	Alexis	1	1	6			7 Flying coal
June 27	John Rubis	38	do.	Cherry	1	1	4			5 Falling roof.

Recapitulation of Fatal Accidents—Second District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Alexis	1	Boss driver	1	Falling coal	2	Coal Valley Mining Co.	1
Cable	1	Driver	1	Falling roof	3	Cook & Roberts C. Mine	1
Cherry	1	Miners	7	Flying coal	1	St. Paul Coal Co.	1
Dalzell	1			Pit cars	3	Spring Valley Coal Co.	1
Seatonville	2						
Spring Valley	3						
Totals	9		9		9		9

Non-Fatal Casualties—Second District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town).	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905									
July	14 Joe Faronas	28	Spring Valley.	1	1			Foot crushed, falling coal.	150
	17 John Berard	29	do.	1	3			Hand injured, falling coal.	†
	17 Chas. Sincoritch	30	do.	1				Leg bruised, pit car.	32
	18 John Margo	30	do.	1				Shoulder bruised, fall. coal.	38
	19 J. Tomasovitch	38	Dalzell	1				Leg broken, falling coal.	133
	24 Mike Rosetti	37	do.	1				Finger broken, falling coal.	33
	25 Arterio Grotte	44	Seatonville.	1	6			Hip bruised, falling coal.	42
	27 David Sorabilli	36	Spring Valley.	1	2			Foot bruised, falling coal.	52
	28 M. Allison	50	do.	1	3			Shoulder bruised, fall. roof	57
	29 Anton Alucefski	55	do.	1	5			Rib broken, falling coal.	52
Aug.	4 Felice Gorgliardi	27	Seatonville.	1				Body bruised, crowbar.	72
	14 Toney Romanello	21	Dalzell	1				Arm broken, pit car.	54
	16 C. Beltramini	45	Spring Valley.	1	6			Collar bone broken, fall. cl.	65
	19 Joe Florini	25	Ladd	1				Foot bruised, falling roof.	42
	21 Joe Gessano	27	Cherry	1				Eyes blown out, exp. dyn.	*
	24 Ed. Capitano	21	Dalzell	1	1			Body bruised, pit car.	43
	26 Leonard Keay	23	Seatonville.	1	2			Legs scalded, steam pipe.	47
	11 Joe Bardona	28	Dalzell	1	1			Back bruised, falling roof.	50
	16 Barney Alice	32	Seatonville.	1	3			Foot bruised, falling roof.	†
	19 John Engholm	38	Cable	1	4			Shoulder blade bk'n, fall. r	60
Oct.	27 Geo. Smith	28	Dalzell	1				Ribs broken, falling coal.	†
	1 Gust Larson	52	Kewanee	1				Rib broken, falling roof.	48
	3 Phil. DeCosta	26	Spring Valley.	1	1			Knee bruised, fall. timber.	35
	5 Geo. Mateovitch	27	Dalzell	1				Leg broken, falling coal.	180
	6 Wm. Bilsky	28	do.	1	2			Breast crushed, pit car.	155
	17 M. Vincenzia	35	do.	1	2			Ankle twisted, jump, off cr.	108
	28 Joe Rosnanolia	23	do.	1				Toe broken, falling roof.	34
	28 Ed. Siers	52	Seatonville.	1	7			Fingers cut off (2) fall. roof	71
	2 Joe Feroni	39	Dalzell	1	7			Foot bruised, falling coal.	30
	2 Ben Richardson	19	Wanlock	1				Hand bruised, pit car.	30
Nov.	8 John Groom	23	Viola	1				Ankle bruised, falling coal.	50
	11 J. Cantilli	48	Spring Valley.	1	6			Hand bruised, falling roof.	30
	13 Joe Seebeck	16	Seatonville.	1				Finger broken, pit car.	45
	18 Joe Lalotoise	35	Spring Valley.	1				Knee bruised, bale of hay.	55
	18 Joe Rufalto	52	do.	1	7			Foot crushed, pit car.	107
	18 Wm. Tiernan	52	do.	1	5			Hand cut, wrench	48
	1 Toney Kutchen	20	Gilchrist	1				Body bruised, pit car.	45
	3 Barney Bratoni	28	Dalzell	1				Leg bruised, falling roof.	30
	11 Peter Terrando	18	Spring Valley.	1				Finger broken, falling roof	89
	17 Jesse Little	18	Viola	1				Body bruised, pit car.	46
1906									
Jan.	10 Anthony Engst	34	Briar Bluff	1	2			Body bruised, falling roof.	40
	16 Andrew Bowman	69	Galva	1				Body bruised, falling roof.	40
	19 Joseph Valies	39	Cherry	1	3			Leg broken, falling roof.	42
	20 Jeff Stratton	48	Seatonville	1				Foot crushed, pit car.	138
	27 John Simpson	47	Dalzell	1	8			Foot bruised, falling coal.	48
	30 Ernest Petrovitch	30	Cherry	1				Face and hands burned, ex- ploding powder.	60
	31 Carlo Machetti	20	Seatonville	1				Leg broken, falling roof.	†
	3 Geo. Bendetto	24	Spring Valley.	1				Leg broken, falling roof.	*
	5 Richard Lenehan	17	do.	1				Hand crushed, pit car.	120
	8 Wm. Achingu	20	do.	1				Foot crushed, pit car.	115
Feb.	8 A. Ramaniski	68	do.	1	2			Back injured, falling roof.	150
	15 Anton Shaffer	18	do.	1				Head cut, falling coal.	35
	17 Ed. Huff	25	Dalzell	1				Ankle injured, jumping from pile of props	†
	18 Adam Skinc	27	Spring Valley.	1				Shoulder crushed, falling coal.	*
	21 Tony Byma	31	Dalzell	1				Foot crushed, falling roof.	110
	26 Christ Edmunds	28	Spring Valley.	1				Foot crushed, falling roof.	130
	28 John Barrow	28	do.	1				Body bruised, pit car.	30
	1 Victor Allegro	45	do.	1				Skull fractured, falling coal.	*
	3 Henry Callenz	33	Seatonville.	1	3			Leg broken, pit car.	103
	5 John Deviatto	30	Spring Valley.	1				Legs bruised, falling coal.	*
Mar.	6 Wm. Martin	21	do.	1				Toe broken, pit car.	102
	10 F. Blandoni	31	Seatonville.	1				Foot bruised, falling roof.	†
	10 Martin Picar	45	Spring Valley.	1	4			Finger broken, falling roof	88
	12 Anton Yankowski	35	do.	1				Foot bruised, falling roof.	84
	12 John Yovavitis	40	Ladd	1	1			Hand bruised, falling roof.	75
	17 Pauli Borelli	24	do.	1				Foot crushed, falling coal.	100

Non-Fatal Casualties—Second District—Concluded.

Date.	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1906								
Mar.	20 Peter Stone.....	37	Spring Valley.	1	.....	.....	Head injured, falling roof..	88
	20 Frank Boublis.....	33	Seatonville.	1	.....	.....	Leg bruised, falling coal...	*
	20 Chas. Scyewakas.....	24	Spring Valley.	1	.....	.....	Head cut, falling roof.....	*
	21 E. Pisemelio.....	38	..do.....	1	6	7	Leg injured, falling coal...	75
	21 M. Faletti.....	33	Seatonville.	1	.....	.....	Ankle crushed, falling coal	108
	23 Joe Vistarz.....	50	Spring Valley.	1	1	2	Back injured, falling coal..	102
	24 Joe Rice.....	18	Seatonville.	1	.....	.....	Toes broken, falling roof...	*
	27 Anton Venzone.....	38	Spring Valley.	1	3	4	Toe broken, falling roof...	†
	28 Thos. Carroll.....	18	..do.....	1	.....	.....	Back bruised, falling roof...	68
	30 Jno. Dinelli.....	34	Dalzell.....	1	3	4	Arm cut, falling coal.....	*
	30 Jas. Clinton.....	45	Spring Valley.	1	3	4	Legs bruised, falling roof..	67
	30 Joe Wilkis.....	36	..do.....	1	.....	.....	Foot bruised, pit car.....	*
	30 Louis Grotte.....	38	Seatonville.	1	.....	1	Leg bruised, falling roof...	*
April	2 Thos. B. Docherty.....	23	Boden.....	1	1	2	Leg broken, falling roof...	80
May	3 John Johnson.....	21	Etherly.....	1	.....	.....	Back bruised, falling roof...	35
	9 John Boden.....	37	Kewanee.....	1	2	3	Leg broken, R. R. cars.....	*
June	2 Chas. Riley.....	30	Spring Valley.	1	.....	1	Back bruised, falling roof...	*
	7 John Liptack.....	22	Cherry.....	1	.....	.....	Ribs brok'n, fall. from tow'r	30
	13 Alex. McKillip.....	74	Viola.....	1	.....	1	Foot bruised, falling coal..	*
	15 Peter Navaccossi.....	16	Dalzell.....	1	.....	.....	Head bruised, pit car.....	*
	16 Raymond Stetts.....	50	Spring Valley.	1	3	4	Arm broken, falling coal...	*
	Totals.....			47	40	118	165	

* Not recovered July 1, 1906.

† Left the locality, time of disability could not be ascertained.

Total number of men injured	87
Number not recovered July 1, 1906.....	16
Number recovered July 1, 1906.....	64
Total time lost by men recovered—days.....	4,521
Average time lost by men recovered—days.....	70.6
Left the locality, time of disability could not be ascertained	7

Recapitulation of Non-Fatal Accidents—Second District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Boden	1	Cagers	2	Bursting steam pipe	1	Alden Coal Co	2
Briar Bluff	1	Carpenter	1	Caught between R.	1	Briar Bluff Coal Co.	1
Cable	1	Car trimmer ..	1	R. cars	1	Docherty's local mine ..	1
Cherry	4	Company men ..	8	Exploding powder	1	Empire Coal Co.	3
Dalzell	17	Drivers	18	Falling coal	26	Etherley Coal Co	1
Etherley	1	Miners	57	Falling roof	23	Herdien Coal Co	1
Galva	1	Spraggers	2	Falling timber	1	Illinois & Vein Coal Co ..	3
Gilchrist	1	Top men	2	Fell from tower	1	Kewanee Coal Co.	1
Kewanee	2	Trapper	1	Jumping from cage	1	Kewanee C&P. Coal Co ..	1
Ladd	3			Jumping from prop	1	Peterson's local mine ..	1
Seatonville	14			pile	1	St. Paul Coal Co	4
Spring Valley ..	87			Premature blast	1	Spring Valley Coal Co....	66
Viola	3			(dynamite)			
Wanlock	1			Struck by bale of	1		
				hay	1		
				Struck by crowbar ..	1		
				Struck by pit cars ..	17		
				Struck by wrench ..	1		
Totals	87		87		87		87

Table Showing List of Non-Fatal Casualties, Nature of Injuries, Time Lost and Percentages—Second District—1906.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries.
					Total days.	Average days.	
Ankles injured	4	3	1	5	266	88.66	4.60
Arms broken	2	1	1	4	54	54.00	2.30
Arms injured	1	1		4			1.15
Backs injured	6	4	2	8	405	81.00	6.89
Bodies injured	7	3	4	6	316	45.14	8.06
Breast injured	1	1		3	155	155.00	1.15
Collarbone broken	1	1		7	65	65.00	1.15
Eyes (both) destroyed	1		1				1.15
Face and hands burned	1		1		60	60.00	1.15
Feet injured	16	7	9	34	1,106	92.17	18.39
Fingers broken	4	2	2	6	255	63.75	4.60
Fingers cut off	1	1		8	71	71.00	1.15
Hands injured	6	4	2	19	303	60.60	6.89
Heads injured	4		4		123	61.50	4.60
Hip injured	1	1		7	42	42.00	1.15
Knees injured	2	2		3	90	45.00	2.30
Legs broken	8	6	2	15	538	107.60	9.19
Legs injured	8	4	4	15	251	50.20	9.19
Ribs broken	4	3	1	8	130	43.33	4.60
Skull fractured	1		1				1.15
Shoulderblade broken	1	1		5	60	60.00	1.15
Shoulders injured	3	1	2	4	95	47.50	3.45
Toes broken	4	1	3	4	136	68.00	4.60
Totals	87	47	40	165	4,521	70.60	100.00

Bureau County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Spring Valley Coal Co.	Spring Valley.	18,796	212,462			40,651
2	Spring Valley Coal Co.	do.	17,636	186,007			37,196
3	Illinois Third Vein Coal Co.	Ladd.	15,792	183,940			40,088
4	Spring Valley Coal Co.	Spring Valley.	25,362	170,784			41,150
5	Spring Valley Coal Co.	do.	1,334	184,721			32,146
6	Spring Valley Coal Co.	do.	855	114,948			22,870
7	Marquette Coal Co.	Marquette.	4,710	72,755	7,716		15,031
8	St. Paul Coal Co.	Cherry		50,426			24,907
Totals			83,985	1,176,043	7,716		255,049
LOCAL MINES.							
1	Donahue & Moran.	Sheffield.		6,940			1,000
2	Wm. Brandt & Son	Mineral		4,975			
3	James Weare.	Sheffield.		2,882			
4	Nelson & Scott.	do.		2,116			
5	Wm. Smith.	Princeton		1,478			
6	John Griffith & Son.	do.		1,406			
7	Thos. Herrington	do.		1,364			
8	A. W. Walton	do.		630			
9	John Duncan	Sheffield.		602			
10	C. W. Riley	do.		500			
11	A. G. Norlen	Tiskilwa.		400			
12	Chas. Gotheridge	Sheffield.		240			
13	N. Sweringen	Neponset.		80			
Totals				23,663			1,000
Totals—21 mines.			83,985	1,199,706	7,716		256,049

Bureau County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	271,909	\$395,584	245,634	.....	17,028	9,247	200	271,909	543	165	708	1
.....	241,839	349,588	218,032	11,900	.....	11,817	191	241,839	518	180	698	2
.....	239,890	336,538	210,526	21,896	4,112	15,196	228	239,890	481	170	651	3
.....	237,296	338,073	220,015	.....	4,548	12,733	216	237,296	514	191	705	4
.....	218,201	319,867	211,190	1,415	.....	5,586	215	218,201	430	103	535	5
.....	138,173	200,006	129,966	.....	.....	8,207	138	138,173	495	150	645	6
.....	100,212	161,290	93,079	.....	843	6,290	103	100,212	400	130	530	7
.....	75,333	80,796	72,075	.....	1,162	2,096	111	75,333	148	46	194	8
.....	1,522,793	\$2,181,740	1,400,517	23,401	27,693	71,182	175	1,522,793	3,529	1,137	4,666	
.....	7,940	\$15,380	.....	.....	7,940	.....	295	7,940	15	4	19	1
.....	4,975	8,706	.....	.....	4,975	.....	240	4,975	12	3	15	2
.....	2,882	5,044	.....	.....	2,882	.....	240	2,882	6	1	7	3
.....	2,116	4,232	.....	.....	2,116	.....	270	2,116	5	1	6	4
.....	1,478	2,956	.....	.....	1,478	.....	165	1,478	5	1	6	5
.....	1,406	2,812	.....	.....	1,406	.....	175	1,406	4	1	5	6
.....	1,364	2,725	.....	.....	1,364	.....	156	1,364	4	1	5	7
.....	680	1,360	.....	.....	680	.....	150	680	3	1	4	8
.....	602	1,053	.....	.....	602	.....	160	602	.....	.....	2	9
.....	500	875	.....	.....	500	.....	120	500	.....	1	4	10
.....	400	800	.....	.....	400	.....	120	400	.....	.....	2	11
.....	240	420	.....	.....	240	.....	100	240	.....	1	3	12
.....	80	120	.....	.....	80	.....	30	80	.....	.....	2	13
.....	24,663	\$46,486	.....	.....	24,663	.....	173	24,663	65	15	80	
.....	1,547,456	\$2,228,226	1,400,517	23,401	52,356	71,182	.....	1,547,456	3,594	1,152	4,746	

Henry County—Second District—1906.

NAME OF MINER	Residence address or location	OUTPUT OF MINES—				Per cent of screenings.
		White	Black	High	Low	
SHIPPING MINES						
1. Kewanee Coal & Mining Co., No. 1.	Kewanee.	29,464	52,700			15.33
2. Adams Coal Co., No. 2.	Osaka.		10,000			0.00
3. Briar Bluff Coal Co.	Briar Bluff.		2,000			0.00
Totals		29,464	62,700			15.33
LOCAL MINES						
1. Harlan Coal Co.	Osaka.	10,000				0.00
2. Kewanee Coal Co., No. 1.	Kewanee.	29,464				15.33
3. Adams Coal Co., No. 2.	Osaka.		10,000			0.00
4. Briar Bluff Coal Co.	Briar Bluff.		2,000			0.00
5. Fred Martin	Osaka.	1,000				0.00
6. Matt. Johnson	Osaka.	1,000				0.00
7. John Becker & Son	Osaka.	1,000				0.00
8. Ralph. Bray & Co.	Cambridge.	1,000				0.00
9. Thos. Martin & Co.	Kewanee.	1,000				0.00
10. North Hill Coal Co.	Osaka.	1,000				0.00
11. Hartman & Barrett	Adkinson.	1,000				0.00
12. R. E. Kay	Osaka.	1,000				0.00
13. Joe Olson	Green River.	1,000				0.00
14. Kewanee Mining & Mfg. Co.	Kewanee.	1,000				0.00
15. Max Gray	Osaka.	1,000				0.00
16. E. H. Jones	Adkinson.	1,000				0.00
17. Ed. Wells	Briar Bluff.	1,000				0.00
18. R. E. Malone	Kewanee.	1,000				0.00
19. George Martin	Osaka.	1,000				0.00
20. Sam. Tharp & Co.	Osaka.	1,000				0.00
21. Len Malone	Osaka.	1,000				0.00
22. Joseph Carter	Osaka.	1,000				0.00
23. John Sammerico	Coal Valley.	1,000				0.00
24. R. C. Finch	Kewanee.	1,000				0.00
25. Ed. Hammerling	Osaka.	1,000				0.00
26. Wm. Lamb	Osaka.	1,000				0.00
Totals		64,414				15.33
Grand Totals		93,878	62,700			15.33

Mines closed in 1906, 2.
 New mines, 4.
 Abandoned mines, 1.
 Mines in 1906, 29.

Henry County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	Number.
.....	77,535	\$104,563	68,680	.....	5,855	3,000	274	77,535	108	30	138	1
.....	11,080	17,442	9,643	.....	1,137	300	240	11,080	25	4	29	2
.....	3,797	6,615	3,797	.....	.....	.....	230	3,797	6	2	8	3
.....	92,412	\$128,620	82,120	.....	6,992	3,300	248	92,412	139	36	175	
.....	15,375	\$28,470	.....	.....	15,075	300	250	15,375	33	5	38	1
.....	9,397	18,044	.....	.....	9,197	200	240	9,397	15	3	18	2
.....	7,428	14,706	.....	.....	7,328	100	240	7,428	12	1	13	3
.....	5,655	8,678	.....	.....	5,655	.....	220	5,655	7	2	9	4
.....	3,780	6,950	.....	.....	3,710	70	280	3,780	8	1	9	5
.....	3,694	7,388	.....	.....	3,694	.....	250	3,694	7	1	8	6
.....	3,010	4,967	.....	.....	3,010	.....	217	3,010	5	2	7	7
.....	2,850	5,462	.....	.....	2,550	300	275	2,850	7	2	9	8
.....	2,680	5,360	.....	.....	2,680	.....	200	2,680	5	1	6	9
.....	2,477	4,085	.....	.....	2,297	180	286	2,477	5	2	7	10
.....	2,465	5,298	.....	.....	2,405	60	180	2,465	7	2	9	11
.....	2,094	4,187	.....	.....	2,036	58	160	2,094	6	2	8	12
.....	2,040	4,335	.....	.....	2,040	.....	160	2,040	5	1	6	13
.....	1,316	2,153	.....	.....	1,216	100	100	1,316	6	3	9	14
.....	1,168	2,336	.....	.....	1,168	.....	150	1,168	5	1	6	15
.....	696	1,460	.....	.....	656	40	200	696	4	1	5	16
.....	640	1,120	.....	.....	640	.....	120	640	3	1	4	17
.....	560	1,120	.....	.....	560	.....	200	560	2	1	3	18
.....	510	1,020	.....	.....	510	.....	120	510	2	.....	2	19
.....	500	1,000	.....	.....	500	.....	130	500	2	.....	2	20
.....	480	840	.....	.....	480	.....	140	480	2	1	3	21
.....	428	856	.....	.....	428	.....	160	428	2	.....	2	22
.....	274	411	.....	.....	274	.....	80	274	1	.....	1	23
.....	240	480	.....	.....	240	.....	140	240	1	.....	1	24
.....	220	440	.....	.....	220	.....	100	220	2	.....	2	25
.....	40	70	.....	.....	40	.....	20	40	1	.....	1	26
.....	70,017	\$131,236	.....	.....	68,609	1,408	178	70,017	155	33	188	
.....	162,429	\$259,856	82,120	.....	75,601	4,708	.....	162,429	294	69	363	

Knox County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Etherley Coal Co	Etherley	12,000	5,641	.....	.....	2,825
LOCAL MINES.							
1	Galva Coal Co.....	Wataga .....	.....	5,660	.....	.....	160
2	Pendergast Bros.....	Galesburg .....	.....	4,378	.....	.....	500
3	Rodell & Mitchell.....	Wataga .....	.....	3,770	.....	.....	220
4	Geo. W. Essex.....	Galesburg .....	.....	2,170	.....	.....	580
5	George Clifford & Son.....	Altona .....	.....	1,840	.....	.....	.....
6	Hand & Cadwell.....	Williamsfield..	.....	1,808	.....	.....	.....
7	Albert Wahlberg.....	Knoxville .....	.....	1,748	.....	.....	32
8	Louis Nodine & Son.....	Wataga .....	.....	1,812	.....	.....	.....
9	Jesse Hillier.....	Rapatee.....	.....	1,280	.....	.....	.....
10	Terrence McGovern.....	Oneida .....	.....	1,200	.....	.....	.....
11	Nelse Kennedy.....	Delong .....	.....	1,000	.....	.....	.....
12	Peter Sornberger & Bro.....	Victoria.....	.....	1,000	.....	.....	.....
13	S. G. McGovern.....	Oneida .....	.....	1,550	.....	.....	.....
14	Gus Simpson & Bros.....	do.....	.....	960	.....	.....	.....
15	G. W. Bowman.....	Yates City.....	.....	728	.....	.....	210
16	Lindsey Bros.....	Middle Grove ..	.....	920	.....	.....	.....
17	Chas. Spencer.....	Victoria.....	.....	800	.....	.....	.....
18	Ed Peterson.....	Etherley .....	.....	728	.....	.....	.....
19	John Walsh.....	Victoria.....	.....	650	.....	.....	.....
20	John Robinson.....	do.....	.....	640	.....	.....	.....
21	D. J. Foster.....	Rapatee.....	.....	600	.....	.....	.....
22	H. E. Bonney.....	Abingdon .....	.....	560	.....	.....	.....
23	Ben Thorne.....	Etherley .....	.....	520	.....	.....	.....
24	Will Foster.....	Abingdon .....	.....	480	.....	.....	.....
25	James Nelson.....	Knoxville .....	.....	484	.....	.....	.....
26	John Todd.....	Victoria.....	.....	400	.....	.....	.....
27	Hakstrom Bros.....	Oneida .....	.....	400	.....	.....	.....
28	P. Lundeen & Son.....	Knoxville .....	.....	370	.....	.....	30
29	Lee Lomax.....	Abingdon .....	.....	360	.....	.....	.....
30	N. C. Anderson.....	Knoxville .....	.....	308	.....	.....	36
31	M. Poole.....	Abingdon .....	.....	320	.....	.....	.....
32	Bowman Bros.....	Yates City.....	.....	200	.....	.....	100
33	J. C. McCullough.....	Abingdon .....	.....	300	.....	.....	.....
34	Cross & Carson.....	do.....	.....	240	.....	.....	.....
35	John Myers.....	Etherley .....	.....	200	.....	.....	.....
36	Gus Lumber.....	Yates City.....	.....	200	.....	.....	.....
37	William Fish.....	Dahinda .....	.....	160	.....	.....	.....
38	Frank Brown.....	Knoxville .....	.....	140	.....	.....	.....
39	Chas. Morgan.....	Oneida .....	.....	120	.....	.....	.....
40	John Wilkin.....	Abingdon .....	.....	120	.....	.....	.....
41	P. A. Switzer.....	Wataga .....	.....	120	.....	.....	.....
42	Wm. Nelson.....	Victoria.....	.....	120	.....	.....	.....
43	Jacob Burgess.....	Abingdon .....	.....	50	.....	.....	.....
44	Frank Quinn.....	do.....	.....	40	.....	.....	.....
45	Elmer McGrew.....	do.....	.....	40	.....	.....	.....
Totals .....			.....	40,942	.....	.....	1,871
Totals—46 mines			12,000	46,583	.....	.....	4,70

Mines reported for 1905, 42.

New mines, 12.

Abandoned mines, 8.

Mines in 1906, 46.

Knox County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	20,466	\$25,015	19,566	600	300	.....	276	20,466	33	8	41	1
.....	5,820	\$9,945	.....	.....	5,720	100	240	5,820	14	2	16	1
.....	4,878	7,912	.....	.....	4,678	200	188	4,878	11	3	14	.....
.....	3,990	6,707	.....	.....	3,840	150	260	3,990	8	2	10	3
.....	2,760	4,093	.....	.....	2,540	220	170	2,760	8	2	10	4
.....	1,840	3,680	.....	.....	1,840	.....	230	1,840	5	1	6	5
.....	1,808	2,260	.....	.....	1,808	.....	200	1,808	4	.....	.....	6
.....	1,780	3,512	.....	.....	1,780	.....	190	1,780	5	1	6	7
.....	1,312	2,296	.....	.....	1,312	.....	200	1,312	4	.....	4	8
.....	1,280	1,920	.....	.....	1,280	.....	200	1,280	3	.....	3	9
.....	1,200	1,800	.....	.....	1,200	.....	200	1,200	4	1	5	10
.....	1,000	2,000	.....	.....	1,000	.....	150	1,000	4	.....	4	11
.....	1,000	1,250	.....	.....	1,000	.....	160	1,000	3	.....	3	12
.....	1,550	2,325	.....	.....	1,550	.....	200	1,550	5	1	6	13
.....	960	1,440	.....	.....	960	.....	130	960	4	1	5	14
.....	936	1,714	.....	.....	876	60	105	936	3	1	4	15
.....	920	1,380	.....	.....	920	.....	180	920	3	.....	3	16
.....	800	1,400	.....	.....	800	.....	180	800	3	1	4	17
.....	728	1,092	.....	.....	728	.....	150	728	3	.....	3	18
.....	650	975	.....	.....	650	.....	150	650	2	.....	2	19
.....	640	960	.....	.....	640	.....	200	640	2	1	3	20
.....	600	900	.....	.....	600	.....	225	600	2	.....	2	21
.....	560	1,260	.....	.....	560	.....	110	560	3	.....	3	22
.....	520	780	.....	.....	520	.....	150	520	2	.....	2	23
.....	480	960	.....	.....	480	.....	182	480	2	.....	2	24
.....	434	868	.....	.....	434	.....	150	434	2	1	3	25
.....	400	700	.....	.....	400	.....	120	400	2	.....	2	26
.....	400	800	.....	.....	400	.....	120	400	2	.....	2	27
.....	400	663	.....	.....	400	.....	230	400	2	.....	2	28
.....	360	810	.....	.....	360	.....	150	360	3	.....	3	29
.....	344	634	.....	.....	344	.....	180	344	2	.....	2	30
.....	320	640	.....	.....	320	.....	80	320	3	.....	3	31
.....	300	500	.....	.....	290	10	60	300	3	1	4	32
.....	300	675	.....	.....	300	.....	150	300	2	.....	2	33
.....	240	480	.....	.....	240	.....	100	240	2	.....	2	34
.....	200	300	.....	.....	200	.....	55	200	2	.....	2	35
.....	200	350	.....	.....	200	.....	60	200	2	.....	2	36
.....	160	240	.....	.....	160	.....	135	160	1	.....	1	37
.....	140	280	.....	.....	140	.....	60	140	2	.....	2	38
.....	120	180	.....	.....	120	.....	80	120	1	.....	1	39
.....	120	270	.....	.....	120	.....	100	120	2	.....	2	40
.....	120	180	.....	.....	120	.....	40	120	2	.....	2	41
.....	120	180	.....	.....	120	.....	60	120	2	.....	2	42
.....	50	100	.....	.....	50	.....	60	50	1	.....	1	43
.....	40	80	.....	.....	40	.....	50	40	1	.....	1	44
.....	40	90	.....	.....	40	.....	60	40	1	.....	1	45
.....	42,820	\$71,581	.....	.....	42,080	740	143	42,820	147	19	166	.....
.....	63,286	\$96,596	19,566	600	42,380	740	.....	63,286	180	27	207	.....

STATISTICS OF LABOR.

Rocky County—Second District—1906.

NAME OF OPERATOR	Residence address or mine	OUTPUT OF MINES			
		MINES	TONS	FEET	VAL.
[Handwritten list of names]	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
Total		100,000	100,000	100,000	100,000
[Handwritten list of names]	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
	General	10,000	10,000	10,000	10,000
Total		100,000	100,000	100,000	100,000

Mercer County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of mines.	All other employes.	Total.	
41,578	138,768	\$184,002	130,234	16	2,573	5,945	224	138,768	120	103	223	1
5,164	138,290	176,363	130,640	.....	2,744	4,906	192	138,290	157	83	240	2
3,660	93,506	118,272	88,286	1,486	74	3,660	195	93,506	102	57	159	3
10,716	52,016	71,734	48,228	568	.....	3,220	216	52,016	50	44	94	4
.....	4,900	7,125	1,100	.....	3,600	200	200	4,900	12	4	16	5
.....	2,520	3,660	440	.....	2,040	40	150	2,520	5	1	6	6
.....	1,497	2,436	900	.....	557	40	230	1,497	3	4	6	7
61,118	431,497	\$563,592	399,828	2,070	11,588	18,011	201	431,497	449	293	742	
.....	4,100	\$6,075	.....	.....	4,050	50	125	4,100	7	1	8	1
.....	3,045	4,545	.....	.....	3,045	.....	280	3,045	5	1	6	2
.....	2,730	5,001	.....	.....	2,730	.....	260	2,730	6	.....	6	3
.....	2,400	3,600	.....	.....	2,400	.....	275	2,400	5	1	6	4
.....	2,150	3,225	.....	.....	2,150	.....	250	2,150	4	1	5	5
.....	760	1,040	.....	.....	740	20	170	760	2	.....	2	6
.....	680	1,360	.....	.....	680	.....	150	680	2	.....	2	7
.....	588	882	.....	.....	588	.....	100	588	3	1	4	8
.....	138	175	.....	.....	130	8	30	138	2	1	3	9
.....	16,118	\$25,903	.....	.....	16,513	78	182	16,591	36	6	42	
61,591	448,088	\$589,495	399,828	2,070	28,101	18,089	.....	448,088	485	299	784	

Mercer County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Coal Valley Mining Co. No. 2.....	Sherrard.....	13,953	77,560		1,894	3,783
2	Empire Coal Co. No. 3.....	Gilchrist.....	16,562	76,436		132	39,966
3	Alden Coal Co. No. 4.....	do.....	1,496	54,268		850	33,242
4	Coal Valley Mining Co. No. 1.....	Cable.....	930	33,626		2,426	4,318
5	Docherty Bros.....	Pre-emption ..		4,600			300
6	Arthur Jones.....	Viola.....		2,400			120
7	B. B. Peterson.....	Cable.....	590	822			86
Total.....			33,521	249,712		5,302	81,844
LOCAL MINES.							
1	C. W. Liefendorfer.....	Pre-emption ..		4,000			100
2	J. B. Martin.....	Aledo.....		3,000			45
3	S. J. Young.....	New Windsor.....	1,530	1,200			
4	G. W. Martin.....	Viola.....		2,400			
5	W. P. Williams.....	Aledo.....		2,150			
6	Ed. Gustafson.....	Wanlock.....		660			100
7	M. A. Beers.....	Cable.....		690			
8	Alfred Williams.....	Pre-emption ..		598			
9	Henry Maynard & Co.....	Gilchrist.....		106			32
Totals			1,530	14,784			277
Totals—16 mines.....			35,051	264,496		5,302	82,121

Mines reported for 1906, 17.

New mines, 2.

Abandoned mines, 3.

Mines in 1906, 16.

Mercer County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of mines.	All other employes.	Total.	
41,578	138,768	\$184,002	130,234	16	2,573	5,945	224	138,768	120	103	223	1
5,164	138,290	176,363	130,640	.....	2,744	4,906	192	138,290	157	83	240	2
3,660	93,506	118,272	88,286	1,486	74	3,660	195	93,506	102	57	159	3
10,716	52,016	71,734	48,228	568	.....	3,220	216	52,016	50	44	94	4
.....	4,900	7,125	1,100	.....	3,600	200	200	4,900	12	4	16	5
.....	2,520	3,660	440	.....	2,040	40	150	2,520	5	1	6	6
.....	1,497	2,436	900	.....	557	40	230	1,497	3	4	6	7
61,118	431,497	\$563,592	399,828	2,070	11,588	18,011	201	431,497	449	293	742	
.....	4,100	\$6,075	.....	.....	4,050	50	125	4,100	7	1	8	1
.....	3,045	4,545	.....	.....	3,045	.....	280	3,045	5	1	6	2
.....	2,730	5,001	.....	.....	2,730	.....	260	2,730	6	.....	6	3
.....	2,400	3,600	.....	.....	2,400	.....	275	2,400	5	1	6	4
.....	2,150	3,225	.....	.....	2,150	.....	250	2,150	4	1	5	5
.....	760	1,040	.....	.....	740	20	170	760	2	.....	2	6
.....	680	1,360	.....	.....	680	.....	150	680	3	.....	2	7
.....	588	882	.....	.....	588	.....	100	588	3	1	4	8
.....	138	175	.....	.....	130	8	30	138	2	1	3	9
.....	16,118	\$25,903	.....	.....	16,513	78	182	16,591	36	6	42	
61,591	448,088	\$589,495	399,828	2,070	28,101	18,089	.....	448,088	485	299	784	

Rock Island County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Volunteer Coal Co	Coal Valley	7,802	4,661	.....	.....	1,560
2	T. S. Silvis	Carbon Cliff .....	.....	2,822	.....	.....	694
3	Axel E. Link	Sunny Hill .....	.....	1,667	.....	.....	833
Totals			7,802	9,170	.....	.....	3,087
LOCAL MINES.							
1	John J. Pryce & Son	Coal Valley .....	.....	18,486	.....	.....	6,164
2	Sackville Boos	do. ....	.....	6,542	.....	.....	2,500
3	Stoddard & Summerson	do. ....	.....	6,945	.....	.....	1,735
4	John Hynd & Sons	Moline .....	.....	6,224	.....	.....	800
5	Zeigler Bros	Coal Valley .....	.....	1,066	.....	.....	254
6	Stone Bros	Moline .....	.....	890	.....	.....	.....
7	Guckert Bros	Hampton .....	.....	750	.....	.....	.....
8	Chas. A. Loding	Moline .....	.....	668	.....	.....	.....
9	Stoehr & Schadt	Carbon Cliff .....	.....	200	.....	.....	120
10	Rosemond & Gainey	do. ....	.....	240	.....	.....	.....
11	D. L. L. Edwards	Coal Valley .....	.....	220	.....	.....	.....
12	Grant Griffin & Co.	Moline .....	.....	168	.....	.....	.....
Totals .....			.....	42,389	.....	.....	11,573
Totals			7,802	51,559	.....	.....	14,660

Mines reported for 1905, 14.

New mines, 3.

Abandoned mines, 2.

Mines in 1906, 15.

Rock Island County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employés.	Total.	
.....	14,043	\$17,710	13,793	.....	.....	250	242	14,043	15	6	21	1
.....	3,516	5,638	1,156	.....	2,160	200	178	3,516	8	2	10	2
.....	2,500	3,751	900	.....	1,500	100	175	2,500	6	2	8	3
.....	20,059	\$27,099	15,849	.....	3,660	550	198	20,059	29	10	39	
.....	24,650	\$34,816	.....	.....	24,490	160	200	24,650	25	10	35	1
.....	9,042	14,334	.....	.....	8,942	100	220	9,042	10	5	15	2
.....	8,680	14,541	.....	.....	8,600	80	250	8,680	6	4	10	3
.....	7,024	12,748	.....	.....	6,904	120	200	7,024	9	3	12	4
.....	1,320	2,152	.....	.....	1,240	80	200	1,320	2	1	3	5
.....	880	1,760	.....	.....	880	.....	195	880	2	.....	2	6
.....	750	1,500	.....	.....	750	.....	165	750	2	.....	2	7
.....	668	1,336	.....	.....	668	.....	225	668	2	1	3	8
.....	320	460	.....	.....	280	40	120	320	3	1	4	9
.....	240	480	.....	.....	240	.....	70	240	3	.....	3	10
.....	220	440	.....	.....	220	.....	120	220	1	.....	1	11
.....	168	336	.....	.....	168	.....	75	168	2	1	3	12
.....	53,962	\$84,903	.....	.....	53,382	580	170	53,962	67	26	93	
.....	74,021	\$112,002	15,849	.....	57,042	1,130	.....	74,021	96	36	132	

Warren County—Second District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—						
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.		
LOCAL MINES.									
1	Cook & Rohr	Alexis		4,172				220	
2	Maple City Coal Co	Monmouth		3,600					
3	Frank Gilmore	Alexis		2,000				800	
4	Willis Clayton	Avon		1,000					
5	William Ruhl	do.		700					
6	Bird Lieurence	Roseville		600					
7	Thos. Caldwell	Avon		568					
8	John Selkirk	Monmouth		568					
9	Goff & Wilson	St. Augustine		520					
10	Sohn Clark	Monmouth		424					
11	A. T. Hartford	Swan Creek		400					
12	Tracy & Miller	Youngstown		372					
13	Thos. Lee	Swan Creek		120					
14	Joseph Simpson	do.		80					
15	Richard Delaney	Avon		80					
Totals—15 mines.....				15,194				1,020	

Warren County—Second District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	4,392	\$6,917	.....	.....	4,332	60	230	4,392	6	1	7	1
.....	3,600	8,100	.....	.....	3,600	.....	250	3,600	10	4	14	2
.....	2,800	3,750	.....	.....	2,720	80	200	2,800	4	1	5	3
.....	1,000	2,500	.....	.....	1,000	.....	240	1,000	4	.....	4	4
.....	700	1,750	.....	.....	700	.....	260	700	3	.....	3	5
.....	600	1,500	.....	.....	600	.....	250	600	3	.....	3	6
.....	568	1,420	.....	.....	568	.....	200	568	3	.....	3	7
.....	558	1,395	.....	.....	558	.....	200	558	3	1	4	8
.....	520	1,040	.....	.....	520	.....	140	520	2	.....	2	9
.....	424	848	.....	.....	424	.....	80	424	4	1	5	10
.....	400	1,000	.....	.....	400	.....	150	400	3	.....	3	11
.....	372	930	.....	.....	372	.....	200	372	2	.....	2	12
.....	120	300	.....	.....	120	.....	60	120	3	.....	3	13
.....	80	200	.....	.....	80	.....	40	80	2	.....	2	14
.....	80	200	.....	.....	80	.....	70	80	1	.....	1	15
.....	16,214	\$31,850	.....	.....	16,074	140	171	16,214	53	8	61	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Bureau.....	8	83,985	1,176,043	7,716	.....	255,049	.....	1,522,793	\$0.781	.....
Henry.....	3	28,454	47,232	.....	.....	16,726	.....	92,412	0.7137	.....
Knox.....	1	12,000	5,641	.....	.....	2,825	.....	20,466	0.68	.....
Mercer.....	7	33,521	249,712	.....	5,302	81,844	61,118	431,497	0.6342	.....
Rock Island.....	3	7,802	9,170	.....	.....	3,087	.....	20,059	0.637	.....
Totals and av....	22	165,762	1,487,798	7,716	5,302	359,531	61,118	2,087,227	\$0.7454	.....

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Bureau.....	13	.....	23,663	.....	.....	1,000	.....	24,663	\$0.974	.....
Henry.....	26	.....	64,419	.....	.....	5,598	.....	70,017	1.0626	.....
Knox.....	45	.....	40,942	.....	.....	1,878	.....	42,820	1.0151	.....
Mercer.....	9	1,530	14,784	.....	.....	277	.....	16,591	0.9236	.....
Rock Island.....	12	.....	42,389	.....	.....	11,573	.....	53,962	0.6615	.....
Warren.....	15	.....	15,194	.....	.....	1,020	.....	16,214	1.2128	.....
Totals and av....	120	1,530	201,391	.....	.....	21,346	.....	224,267	\$0.9478	.....
Totals, district all mines.....	142	167,292	1,689,189	7,716	5,302	380,877	61,118	2,311,494	.....	.....

Whole number of mines reported in 1905, 146.

Number of new mines opened during the year, 24.

Number of mines abandoned during the year, 23.

Whole number of mines reported for 1906, 142.

Counties—Second District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYEES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
175	1,522,793	.....	\$1.4908	\$1.6146	\$1.70	.....	\$0.5668	.....	3,529	1,137	4,666
248	92,412	.....	1.87	1.6179	.....	.....	0.7905	.....	139	36	175
276	20,466	.....	1.25	1.50	.....	.....	0.55	.....	33	8	41
201	431,497	.....	1.3566	1.5512	.....	\$1.3674	\$0.9841	\$0.7032	449	293	742
198	20,059	.....	1.25	1.6806	.....	.....	0.6263	.....	29	10	39
201	2,087,227	.....	\$1.4142	\$1.604	\$1.70	\$1.3674	\$0.6727	\$0.7032	4,179	1,484	5,663

Counties—Second District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYEES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
173	24,663	.....	.....	\$1.9645	.....	.....	\$1.50	.....	65	15	80
178	70,017	.....	.....	1.9759	.....	.....	0.7057	.....	155	33	188
143	42,820	.....	.....	1.7213	.....	.....	0.5892	.....	147	19	166
182	16,591	.....	\$1.70	1.5636	.....	.....	0.6715	.....	36	6	42
170	53,962	.....	.....	1.888	.....	.....	0.4193	.....	67	26	93
171	16,214	.....	.....	2.0548	.....	.....	0.625	.....	53	8	61
163	224,267	.....	\$1.70	\$1.88	.....	.....	\$0.5731	.....	523	107	630
.....	2,311,494	.....	.....	.....	.....	.....	.....	.....	4,702	1,591	6,293

THIRD INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Livingston, Marshall, Peoria, Putnam, Stark, Woodford.

JAMES TAYLOR, *Inspector, Peoria.*

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois:

SIR—I have the honor to submit the first annual report of the coal mines located in the third inspection district as now defined, the coal producing counties of which are Livingston, Marshall, Peoria, Putnam, Stark and Woodford.

The tabular part of the report gives the number of tons of coal mined; the number of kegs of powder consumed; the number of boys over 16 years of age working in the mines; also the number of miners and others employed in and about the mines; the number of shipping and local mines; the aggregate value of the total product at the mines; the thickness of the coal seams, with the geological numbers and the depth of the seams below the surface; the number of casualties, fatal and non-fatal; the number of mines, old, new and abandoned; the total tons of the different grades of coal produced, and the number of days of active operation of each mine during the year.

The following summary presents, in condensed form, the items contained in the county and other tables:

Number of counties producing coal.....	6
Total number of mines.....	129
Number of shipping mines.....	29
Number of local mines.....	100
Number of abandoned mines.....	
Total number of employes.....	3,623
Number of miners.....	2,692
Number of other employes underground.....	508
Number of boys underground.....	80
Number of employes above ground.....	343
Number of kegs of powder used.....	54,683
Total tons of coal produced.....	1,869,023
Tons of mine run.....	496,627
Tons of lump.....	989,251
Tons of egg.....	38,970
Tons of nut.....	51,595
Tons of pea or screenings.....	245,962
Tons of slack or waste.....	46,618
Tons of coal shipped from mines.....	1,498,229
Tons supplied to locomotives at mines.....	58,978
Tons sold to local trade.....	245,434
Tons consumed or wasted at mines.....	66,382
Aggregate value of total product.....	\$2,458,196
Average value per ton at mines, all grades.....	\$1.315
Average number of days, active operation, shipping mines.....	206

Average price paid for hand mining, shipping mines.....	\$0.678
Number of fatal accidents.....	6
Number of non-fatal accidents.....	24
Number of tons of coal to each fatal accident.....	311,504
Number of tons of coal to each non-fatal accident.....	77,876
Number of employes to each fatal accident.....	604
Number of employes to each non-fatal accident.....	151
Ratio of fatal accidents per 1,000 persons employed.....	1.7

The following comparative table presents the tonnage of each county now in the third district for the years 1905-1906:

COUNTY.	TOTAL TONS, ALL GRADES OF COAL.		Increase.	Decrease.
	1905	1906		
Livingston.....	244,394	281,035	36,641	
Marshall.....	510,968	437,230		73,738
Peoria.....	904,692	844,484		60,408
Putnam.....	42,964	135,004	92,040	
Stark.....	38,431	34,696		3,735
Woodford.....	118,679	136,574	17,895	
Totals.....	1,860,328	1,869,023	146,576	137,881
Net increase.....		8,695		

The counties of Livingston, Putnam and Woodford show an increase of 146,576 tons over last year. Marshall, Peoria and Stark show a decrease of 137,881 tons, leaving a net increase of 8,695 tons for the district.

The change in the number of inspection districts of the State, from seven to ten, which went into effect July 1, 1905, gave to this district Livingston county from the old first district; Marshall, Putnam and Stark from the second, and Woodford from the fourth, leaving only Peoria county in this district as formerly.

IMPROVEMENTS.

At mine No. 2, Minonk, Woodford county, operated by the Minonk Coal Company, there have been installed two new boilers, 5½ by 21 feet, with three 16-inch flues; a pair of Crawford & McCrimmon first motion hoisting engines, 20 by 36 inches, with a drum 8 feet in diameter. Two new steel cages, with new steel ropes, 1¼ inches in diameter, have also been placed in the hoisting shaft, and a new stairway has been completed in the escapement shaft.

A new passageway has been provided for the men to travel to the escapement shaft, so as to avoid going through accumulated water in getting to the escapement. For the purpose of securing adequate ventilation a new fan 5 by 10 feet has been erected at the old shaft, and thereby a much needed improvement in ventilation has been secured.

The West End Coal Company at Fairbury, Livingston county, also the Brady Coal Company, at Pontiac, in the same county, have completed escapement shafts and connected them with the main workings.

DISCIPLINE IN COAL MINES.

A more rigid discipline in the operation of coal mines in this State and a more judicious discrimination in the selection of miners should be exercised. The mine managers should see to it that a code of rules is officially issued and enforced, also that the present mining laws are complied with; shot firers should be compelled to comply with the statute, and make a thorough examination of all shots before they are fired; also to have a rule that all

shots be examined before firing, for the purpose of ascertaining the number of dead holes, if any, or holes or shots found to have been improperly prepared. The first step to prevent any recurrence of any unlawful conditions, in this regard, would be to have the offending parties arrested and punished; this will lead towards greater security, place the responsibility for defective conditions upon those responsible for the same.

DEAD HOLES.

The statute provides that "no person shal drill or shoot what is known as a 'dead hole' for any part of its depth; nor tamp any drill hole with drill dust or other combustible material."

It is found that quite a difference of opinion prevails among mining men as to what is known as a "dead hole." Some contend that a "dead hole" is one that is drilled beyond the line of least resistance, while many others maintain that a "dead hole" is any hole drilled beyond the free face of the coal. Accepting this last opinion as being correct, I would recommend that this latter opinion be included in the statute under the head of definitions as what constitutes a "dead hole."

SHOT FIRERS.

For the purpose of securing a better protection of the lives of shot firers, I would suggest that they refuse to fire the shots of any miner who has failed to store his keg of powder in a wooden or metallic box, securely locked, and who fails to keep such box at least ten feet from the track and fifty feet from any other box containing a keg of powder.

Blasting of coal in our mines might be rendered practically safe if the precautions used included the cutting of all narrow work. It is also desirable to fix a definite relationship between tamping and powder.

The Cardiff Coal Co., Cardiff, Livingston county, has adopted the system of furnishing the miners with dirt from the surface to be used in tamping shots; the dirt is placed in wooden boxes located at different convenient stations in the mine; this system is to be commended and it is hoped that other mining companies will follow along the same lines.

When a shot is fired without being properly tamped with the right material, the pressure does not rise sufficiently high for the explosive to be properly lighted and the powder burns comparatively slow. It is very important that blasting powder should be put into a sound hole without cracks or fissures and thoroughly tamped, in order to get safe and satisfactory results, also that overcharging be avoided.

ACCIDENTS TO SHOT FIRERS.

The many accidents which have occurred to shot firers is due to the breach of the most important part of the mining law laid down to make blasting safe in our Illinois mines. Thus, if the shot firers had made proper examination of the shots before they are fired, they would refuse to fire the shots. We have found it necessary to send the following letter to the mine managers in this district.

"Complaint has come to me that the mining law relative to the firing of shots is being constantly violated, especially that part requiring that all shots be inspected before they are fired. As under a recent decision of the Attorney General, the shot firers are under the control of the mine manager or superintendent, it necessarily follows that they are the parties responsible for the enforcement of the law in their respective mines. Therefore, I hereby notify you that nothing but a strict observance of the law will be tolerated in the future. Any infraction of the law will subject you to the penalties prescribed."

Comparative safety in the coal mines of this State is secured by ordinary vigilance on the part of: first, the mine manager; second, the miner; third, the shot firers; fourth, the mine examiner. It is a question of importance

to know how much of a factor human carelessness enters into the cause of the many accidents which take place in our Illinois mines. If the warning, which usually precedes an accident, was not ignored, we would have the pleasure of reporting less fatal accidents. With one exception of the six fatal accidents which have occurred in this district the last year, five of them could have been avoided.

FATAL ACCIDENTS.

July 12, 1905. Martin Pazesnix, miner, aged 27 years, single, was killed in the Pheonix Coal Co.'s mine, Cornell, Livingston county, by falling roof at the working face of his room.

October 13, 1905. Joe Bertrain, miner, aged 28 years, married, was killed in the Cardiff Coal Co.'s mine, Cardiff, Livingston county, by falling roof, while brushinb the roadway to the working face of his room. He leaves a widow and two children.

June 29, 1906. August Muesner, miner, aged 30 years, married; Joe Dewasme, miner, aged 36 years, married; Cameo Fancon, miner, aged 35 years, married, and Andrew Mitchell, boss driver, aged 31 years, married, were killed by the breaking of a scaffold about seventy-five feet from the top of the hoisting shaft of the Roanoke Coal & Mining Co.'s mine, Roanoke, Woodford county.

The result of this accident is that four wives are made widows and eight children are left fatherless.

Andrew Mitchell, who was the mule boss, and the other men, all practical miners, were working on the night shift as sinkers, enlarging the hoisting shaft; the enlargement of the shaft had been completed. At the time of the accident they were engaged straightening several of the timbers which had slipped from their places; to enable the men to do this work they had erected two scaffolds, about 10 to 15 feet apart, on the opposite side of the shaft from that in which the cage was used, they were using only one cage. About 9:00 o'clock p. m. Mitchell, Fancon and Muesner came up on a car of dirt, which they had loaded on the cage, leaving Dewasme on the scaffold; the purpose of the upper scaffold and platform was to prevent falling material injuring the men while at work on the lower platform.

At 9:10 p. m. the regular night shift of the mine got on the cage and were lowered a distance of seven feet, when the three sinkers named got on the top of the cage (the top of the cage being flat) and were lowered down the shaft to their work. The engineer had received no instructions to stop at either of the scaffolds or platforms; he, however, slowed up as the cage approached the first platform, this platform was all right when the cage passed, as Patrick Brennan the mine examiner, who was on the cage, spoke to Dewasme, who had been left on the platform to work while the three had gone up to unload the car of dirt upon which they had been conveyed on the cage to the top of the shaft. The cage went down the shaft until it was about seventy feet below the lower platform or scaffold, when the engineer received a signal of "one bell" to stop the cage, which he did; a few moments after stopping he received the signal of "two bells" and lowered the cage to the bottom. While the cage was stopped, about seventy feet below where the men had been working, the men on the cage heard something fall down the shaft on the opposite side, but did not know what it was; they called up to the sinkers but received no answer. On reaching the bottom the men who had gone down on the cage went to the sump at the bottom of the shaft to investigate and they made the statement that they found nothing to indicate that anything out of the ordinary had taken place, and they went to their work in different parts of the mine.

The next shift of sinkers were to report for work at 11:00 p. m. Charles Priller, one of the men on this shift, went to the shaft at 10:40 p. m. and was informed by the engineer that the cage had been at the lower landing since about 9:40 p. m. Four workmen, named Priller, Adhern, Fourit and Fancon, got on the cage at the lower landing and went down the shaft to the first scaffold or platform, and found it gone; they were then lowered to the place

where the second or lower scaffold had been and found only two boards of it remaining. They were then lowered to the bottom of the shaft, where they met the night foreman, Alphonse Dourlain, and inquired of him where the sinkers were, and he said he did not know. Michael Proctor, the mine manager, was sent for and search for the bodies was made. The bodies of the four men were found in the sump, at the bottom of the shaft, which was sixteen feet deep and filled with water. After making an examination of the shaft and the places where the scaffolds had been, I am of the opinion that the upper scaffolding had become weakened by the slipping of the timbers on which it was built, and that when the three men jumped from the top of the cage, while the cage was in motion, to the platform, the momentum of the three, with their combined weight and that of Dewasme, who was on this scaffold, was more than it could bear, and that it gave way, carrying with it the men and the lower platform to the bottom of the shaft, a distance of 420 feet. It is evident that the falling timber and men reached the bottom of the shaft before the cage, and that, when the men on the cage called up to the sinkers at the time the cage stopped about seventy-five feet below the platform, they were lying lifeless in the sum at the bottom of the shaft; also that what the men on the cage heard falling was the noise made by the four men as they fell to the bottom of the shaft.

Respectfully submitted,

JAMES TAYLOR,

State Inspector of Mines, Third District, Peoria, Illinois.

Fatal Casualties—Third District—1906.

Date.	Name.	Age.	Occupation.	Residence. (Town)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1905										
July 12	Martin Pazesnix.....	27	Miner	Cornell				1		Falling rock
Oct. 13	Joe Bertrain.....	28	do.	Cardiff	1	1	2		3	Falling rock
1906										
June 29	August Mueser	30	do.	Roanoke	1	1	2		3	Falling down shaft ..
	Joe Dowasme	36	do.	do.	1	1	3		4	Falling down shaft ..
	Cameo Fancoon.....	35	do.	do.	1	1	2		3	Falling down shaft ..
	Andrew Mitchell.....	31	Boss driver ..	do.	1	1	1		2	Falling down shaft ..
	Total				5	5	10	1	15	

Recapitulation of Fatal Casualties—Third District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Cardiff	1	Boss driver ...	1	Falling rock	2	Cardiff Coal Co.....	1
Cornell	1	Miners	5	Falling down shaft.	4	Phoenix Coal Co.....	1
Roanoke	4					Roanoke Coal & Min. Co..	4
Totals	6		6		6		6

Non-Fatal Casualties—Third District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905.								
July	8 Thomas Wonders	29	Granville	1	1	1	3 Toe broken, pit car.	82
	10 Stain Kalaki	29	do.	1	1	1	3 Hip injured, falling coal.	40
	10 Jacob Flute	28	Cardiff	1	1	1	Foot injured, falling rock.	48
	24 Wm. Larker	18	do.	1	1	1	Toes cut off, foot fractured, pit car.	161
	31 Emanuel Woodford	25	do.	1	1	1	1 Foot injured, pit car.	141
	31 Joe Bertolono	46	do.	1	1	2	3 Hips injured, falling rock.	64
Aug.	11 Glen Driscoll	25	Peoria	1	1	1	Toes mashed, pit car.	26
	11 Ellis Wolstenhome	43	Edwards	1	1	1	Hip injured, falling coal.	41
Sept.	6 Oliver M. Lee	49	Kingston	1	1	1	2 Leg broken, falling rock.	*
Oct.	13 Joe Bertram	28	Cardiff	1	1	2	3 Back broken, falling coal.	*
	25 Albert Wright	40	Wolcott	1	1	1	1 Face and hand burned powder explosion.	36
Nov.	29 Charles Carson	30	do.	1	1	2	3 Body burned, blown out shot.	60
	29 L. E. Robinson	25	do.	1	1	1	1 Body burned, blown out shot.	50
Dec.	19 Peter Pallatte	18	Cardiff	1	1	1	Body injured, falling from car.	19
1906.								
Jan.	10 Michael Kovot	31	do.	1	1	1	Foot injured, pit car.	66
	10 Louis Morfortone	20	do.	1	1	1	Toes mashed, pit car.	59
	22 Dom Gostavetino	23	do.	1	1	1	Foot and ankle injured, fall- ing rock.	74
	22 Biagio Montie	33	do.	1	1	1	1 Leg fractured, falling rock.	103
	29 James Kibble	44	Granville	1	1	7	8 Arm and head bruised, fall- ing rock.	42
Feb.	22 Jno. Rolando	35	Rosnoke	1	1	1	Foot injured, stepped on nail.	35
	22 Joe Gallavotter	40	do.	1	1	1	Leg broken, falling coal.	70
Mar.	6 Antonio Dellrolo	37	do.	1	1	1	Chest and side bruised, falling rock.	32
	7 Dick Ratlife	62	do.	1	1	1	Hand bruised, kicked by mule.	44
	7 Ed. Thompson	20	Peoria	1	1	1	1 Back bruised, pit car.	50
	Totals			11	13	19	31	

*Not recovered July 1, 1906.

Total number of men injured	24
Not recovered July 1, 1906	2
Number recovered July 1, 1906	22
Time lost by men recovered, days	1,355
Average days lost by men recovered	62.9

Recapitulation of Non-Fatal Casualties—Third District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cardiff	10	Comp'y man.	1	Blown out shot	2	Cardiff Coal Co.	10
Edwards	1	Drivers	7	Falling coal	5	Clark Coal & Coke Co.	2
Granville	3	Miners	12	Falling off car	1	Granville Coal Co.	1
Kingston	1	Shot firers	2	Falling rock	7	Newsum Bros	4
Peoria	2	Trapper	1	Kicked by mule	1	Rosnoke Coal Co.	4
Rosnoke	4			Pit cars	6	St. Paul Coal Co.	2
Wolcott	3			Powder explosion	1	Wantling & Son	1
				Stepped on nail	1		
Totals	24		24		24		25

*Showing the Nature of Injuries, Number of Persons Injured,
Livingston County—Third District—Concluded.*

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries
					Total days.	Average days.	
Head injured	1	1	.....	8	42	42.00	4.17
Broken	1	1	.....	3	.....	.....	4.17
Injured	1	.....	1	1	80	80.00	4.17
Injured	1	.....	1	.....	19	19.00	4.17
Wounded	2	2	.....	5	110	55.00	8.33
Head side injured	1	.....	1	.....	32	32.00	4.17
Hand burned	1	1	.....	1	36	36.00	4.17
Wounded	1	1	.....	1	141	141.00	4.17
Head ankle injured	1	.....	1	.....	74	74.00	4.17
Injured	2	.....	2	.....	83	41.50	8.33
Injured	1	.....	1	.....	44	44.00	4.17
Wounded	1	.....	1	.....	66	66.00	4.17
Injured	3	2	1	6	145	48.33	12.50
Broken	2	1	1	2	70	70.00	8.33
Wounded	1	1	.....	1	103	103.00	4.17
Broken	1	1	.....	3	82	82.00	4.17
Injured	2	.....	2	.....	95	47.50	8.33
Wounded	1	.....	1	.....	161	161.00	4.17
TOTALS, averages and percentages..	24	11	13	31	1,383	62.86	100.00

Livingston County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Cardiff Coal Co.	Cardiff	43,973	105,333	10,232	5,000	43,787
2	West End Coal Co.	Fairbury	10,255	2,118	.....	887	1,400
3	Phoenix Coal & Mining Co.	Cornell	12,536	850	250	.....	100
4	Marshall & Haar, No. 1	Streator .....	.....	2,120	.....	.....	.....
Totals			66,794	110,421	10,472	6,000	44,287
LOCAL MINES.							
1	Brady Coal Co. No. 2.	Pontiac	14,000	.....	.....	.....	.....
2	Streator Clay Mfg. Co. No. 1	Streator	11,000	.....	.....	.....	.....
3	Munts Bros. No. 2.	do. ....	.....	3,553	.....	.....	1,100
4	Massey Bros. No. 1	do. ....	.....	605	.....	.....	200
5	Co-operative Coal Co. No. 1.	Fairbury .....	.....	4,100	.....	1,000	1,335
6	Streator Aqueduct Co. No. 1	Streator .....	.....	1,713	.....	.....	.....
7	Ben Davies No. 1	Streator (R. F. D. No. 1) .....	.....	300	.....	.....	.....
Totals			35,767	10,355	.....	1,900	2,700
Totals 11 mines			92,561	120,776	10,472	8,400	47,000

Mines reported for 1906—13.

Abandoned mines—2.

Mines in 1906—11.

Livingston County—Third District—Concluded.

Tons.	Tons.	Aggregate value of total produce.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	207,874	\$280,529	199,374	.....	3,716	4,784	180	207,874	217	97	314	1
585	15,335	19,433	6,952	7,393	405	585	300	15,335	15	11	26	2
.....	13,736	18,167	12,000	.....	1,236	500	285	13,736	28	10	38	3
.....	2,120	4,240	2,120	.....	.....	.....	176	2,120	10	2	12	4
585	239,065	\$35,322,369	220,446	7,393	5,357	5,869	235	239,065	270	120	390	
.....	14,699	\$29,398	.....	.....	14,699	.....	300	14,699	35	8	43	1
.....	11,068	14,388	.....	.....	.....	11,068	299	11,068	24	6	30	2
.....	4,732	6,642	.....	.....	4,732	.....	280	4,732	8	2	10	3
.....	805	1,310	.....	.....	805	.....	150	805	4	1	5	4
265	8,645	5,320	.....	.....	8,645	.....	198	8,645	12	8	20	5
.....	1,712	2,739	.....	.....	1,712	.....	247	1,712	3	1	4	6
.....	309	494	.....	.....	309	.....	160	309	2	2	4	7
1,265	41,970	\$70,291	.....	.....	30,302	11,068	233	41,970	88	28	116	
1,850	281,035	\$35,392,660	220,446	7,393	36,259	16,937	.....	281,035	358	148	506	

Marshall County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Tonns.	Wks.	Mth.	Pers. or improvements.
SHIPPING MINES.							
1	Devlin Coal Co. No. 1	Tolosa	112, 182	110, 775	14, 282		61. 19
2	Wenona Coal Co. No. 1	Wenona		77, 232		285	22. 27
3	Marquette Third Vein Coal Co. No. 2	Sparland	15, 424	12, 530			
Totals			127, 606	191, 124	14, 282	285	62. 67
LOCAL MINES.							
1	Frank A. Barr	Sparland		4, 680			40
2	Robert H. Ingram	do.		1, 285			
3	W. E. Frisbey	do.		1, 280			
4	William Bough	Henry		400			
5	William Lopeman	do.		400			
6	Jasper Winesburger	Chillicothe		400			
7	Daniels & Martell	Henry		300			
8	L. Nighswonger	Sparland		300			
9	John Myers	do.		200			
10	Bernard Launing	do.		200			
Totals				9, 255			40
Totals—13 mines			127, 606	210, 420	14, 282	285	62. 67

Mines reported for 1905—13.
Mines in 1906—13.

Marshall County—Third District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
12,495	290,832	\$380,547	243,737	29,040	5,560	12,495	218	290,832	535	167	702	1
5,000	105,735	182,843	92,204	.....	8,531	5,000	221	105,735	180	80	260	2
2,375	30,908	51,703	11,063	.....	19,037	808	261	30,908	45	9	54	3
19,870	427,475	\$615,093	347,004	29,040	33,128	18,303	232	427,475	760	256	1,016	
.....	4,940	\$7,300	.....	.....	4,940	.....	236	4,940	7	1	8	1
.....	1,255	1,898	.....	.....	1,255	.....	290	1,255	4	.....	4	2
.....	1,200	1,800	.....	.....	1,200	.....	240	1,200	4	.....	4	3
.....	640	1,120	.....	.....	640	.....	200	640	3	.....	3	4
.....	420	735	.....	.....	420	.....	210	420	3	.....	3	5
.....	400	800	.....	.....	400	.....	180	400	3	.....	3	6
.....	310	543	.....	.....	310	.....	200	310	2	.....	2	7
.....	300	450	.....	.....	300	.....	190	300	3	.....	3	8
.....	160	240	.....	.....	160	.....	160	160	2	.....	2	9
.....	120	180	.....	.....	120	.....	120	120	2	.....	2	10
.....	9,755	\$15,066	.....	.....	9,755	.....	202	9,755	33	1	34	
19,870	437,230	\$630,159	347,004	29,040	42,883	18,303	.....	437,230	793	257	1,050	

Peoria County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES				
			Mine run.	Lump.	Eng.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Clark Coal & Coke Co.	Peoria		35,000		15,000	35,410
2	Clark Coal & Coke Co.	do.		12,300		12,700	15,300
3	Wolschlag Cooperative Coal Co.	do.	25,300				
4	Newsam Bros.	do.	1,057	60,000		4,000	10,940
5	Sholl Bros.	do.	35,000	11,000		5,100	9,200
6	Howarth & Taylor	Edwards		12,300			9,007
7	Coiffer Cooperative Coal Co.	Bartonville	20,000	2,000			
8	Newsam Bros.	Peoria	3,242	35,700		2,000	8,702
9	Vicary Bros.	do.		35,000			
10	W. E. Foley	Mapleton	15,700				
11	Isaac Wantling & Son	Peoria		14,000			2,500
12	Third Vein Coal Co.	Mapleton		11,000		1,300	
13	German Coal Co.	do.	11,000				
14	Newsam Bros.	Peoria	4,100	5,112			1,000
15	Edwards Mining Co.	do.		4,000			1,500
16	Reents Bros.	Kramm		6,100			
17	Peter Grant	Peoria		5,300			
Totals			212,552	354,900		42,200	55,350
LOCAL MINES.							
1	Winters Cooperative Coal Co.	Bartonville	21,000				
2	Treasure Coal Co.	do.	20,300				
3	Hibbard & Snedden	Peoria		14,500			
4	Hanover Mining Co.	do.		6,423			
5	Galloway Coal Co.	Kingston		5,000			
6	George Keller & Son	Bartonville		4,000			
7	Winters Cooperative Coal Co.	do.		4,000			
8	Lancaster Landing Coal Co.	Kingston		4,340			
9	Bell Coal Co.	Bartonville		4,324			
10	Patrick Martin	Peoria		3,000			
11	Crew Bros.	Chillicothe		3,000			
12	F. P. Schmidt & Sons	Peoria		3,000			
13	Mohn Coal Co.	do.		3,000			
14	Limestone Coal Co.	do.		2,746			
15	White Coal Co.	do.		2,610			
16	Fair Oaks Coal Co.	do.		2,400			
17	W. J. Burdett	Pottstown		1,400			
18	J. Staton	Mapleton		1,400			
19	R. Taylor	Princeville		1,300			
20	Powell Coal Co.	Mapleton		1,100			
21	Tully & Heaton	Brimfield		900			
22	Wm. Berry	Monica		750			
23	John Richiger	Mapleton		600			
24	David Roberts	do.		600			
25	Higbee & Caldwell	Princeville		500			
26	Ed. Seiger	Oak Hill		500			
27	Third Vein Coal Co.	Mapleton		210			
28	Bell Coal Co.	Peoria		200			
29	Hess Coal Co.	do.		190			
30	W. Robinson	Mapleton		180			
31	Hand & Ash	Brimfield		180			
32	R. Culbertson	do.		180			
33	Joseph Marie	Pottstown		175			
34	J. Rook	Brimfield		170			
35	M. Rumble	Peoria		160			

Peoria County—Third District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
.....	146,620	\$173,174	144,060	.....	.....	2,560	189	146,620	132	49	181	1
.....	70,238	82,158	51,803	16,515	.....	1,920	209	70,238	56	36	92	2
.....	88,208	97,029	87,331	.....	.....	877	245	88,208	54	13	67	3
.....	66,164	73,032	64,345	.....	436	1,383	154	66,164	69	29	98	4
5,162	65,524	73,874	64,396	.....	56	1,072	170	65,524	80	23	103	5
3,235	54,546	57,993	49,502	.....	416	4,628	180	54,546	66	23	89	6
1,788	53,788	53,247	53,000	.....	.....	788	280	53,788	30	11	41	7
.....	52,046	57,478	50,532	.....	161	1,353	158	52,046	46	26	72	8
7,200	35,840	38,672	33,640	.....	2,000	200	180	35,840	40	12	52	9
.....	19,764	21,740	19,764	.....	.....	171	19,764	12	7	.....	19	10
500	18,000	18,800	17,500	.....	.....	500	200	18,000	25	9	34	11
300	12,945	22,727	11,850	.....	795	300	210	.....	33	6	39	12
.....	11,481	12,629	8,924	1,980	227	350	220	11,481	15	5	20	13
.....	10,911	11,856	10,561	.....	.....	350	100	10,911	18	5	23	14
.....	6,240	6,786	6,160	.....	80	.....	208	6,240	10	3	13	15
.....	6,120	7,956	6,120	.....	.....	.....	200	6,120	12	4	16	16
.....	5,260	6,838	5,260	.....	.....	.....	150	5,260	10	2	12	17
18,185	723,695	\$815,989	684,748	18,495	4,171	16,281	190	710,750	708	263	971	.....
.....	21,600	\$27,000	.....	.....	21,600	.....	264	21,600	20	5	25	1
.....	20,340	25,425	.....	.....	20,340	.....	259	20,340	20	4	24	2
.....	14,520	21,780	.....	.....	14,520	.....	240	14,520	16	3	19	3
.....	6,423	9,634	.....	.....	6,423	.....	287	6,423	10	2	12	4
.....	5,620	8,430	.....	.....	5,620	.....	260	5,620	10	2	12	5
.....	4,600	6,900	.....	.....	4,600	.....	280	4,600	6	1	7	6
.....	4,820	7,230	.....	.....	4,820	.....	101	4,820	9	1	10	7
.....	4,349	6,524	.....	.....	4,349	.....	170	4,349	6	2	8	8
.....	4,224	6,336	.....	.....	4,224	.....	190	4,224	7	2	9	9
.....	3,920	5,880	.....	.....	3,920	.....	200	3,920	10	2	12	10
.....	3,600	6,300	.....	.....	3,600	.....	210	3,600	6	.....	6	11
.....	3,560	5,340	.....	.....	3,560	.....	194	3,560	16	2	18	12
.....	3,500	5,250	.....	.....	3,500	.....	200	3,500	12	2	14	13
.....	2,746	4,119	.....	.....	2,746	.....	210	2,746	4	2	6	14
.....	2,610	3,915	.....	.....	2,610	.....	190	2,610	4	.....	4	15
.....	2,400	3,600	.....	.....	2,400	.....	165	2,400	6	.....	7	16
.....	1,458	2,187	.....	.....	1,458	.....	180	1,458	4	.....	4	17
.....	1,400	2,100	.....	.....	1,400	.....	182	1,400	7	1	8	18
.....	1,360	2,380	.....	.....	1,360	.....	200	1,360	6	1	7	19
.....	1,162	1,743	.....	.....	1,162	.....	219	1,162	3	.....	3	20
.....	800	1,600	.....	.....	800	.....	200	800	4	1	5	21
.....	750	1,500	.....	.....	750	.....	210	750	3	1	4	22
.....	500	750	.....	.....	500	.....	90	500	2	.....	2	23
.....	460	690	.....	.....	460	.....	125	460	4	.....	4	24
.....	300	600	.....	.....	300	.....	275	300	10	1	11	25
.....	250	375	.....	.....	250	.....	160	250	2	.....	2	26
.....	210	315	.....	.....	210	.....	150	210	2	.....	2	27
.....	200	300	.....	.....	200	.....	100	200	2	.....	2	28
.....	190	285	.....	.....	190	.....	120	190	2	.....	2	29
.....	188	282	.....	.....	188	.....	100	188	3	.....	3	30
.....	180	360	.....	.....	180	.....	111	180	2	1	3	31
.....	180	360	.....	.....	180	.....	98	180	2	.....	2	32
.....	175	262	.....	.....	175	.....	90	175	2	.....	2	33
.....	170	340	.....	.....	170	.....	92	170	2	1	3	34
.....	168	252	.....	.....	168	.....	80	168	2	.....	2	35

Peoria County—Third District—1906—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
36	Fisher & Block.....	Peoria.....		165			
37	Lewis & Berry.....	Pottstown.....		160			
38	F. Taylor.....	Elmwood.....		120			
39	L. Hearst.....	Princeville.....		100			
40	W. Poole.....	Edwards.....		100			
41	Schott & Witheral.....	do.....		90			
42	Ash Johnson.....	Hanna City.....		89			
43	J. Greene.....	do.....		80			
44	T. Dawson.....	do.....		70			
45	J. Dempster.....	Peoria.....		70			
46	O. A. Hammet.....	Chillicothe.....		68			
47	R. Clarkson.....	Oak Hill.....		60			
48	H. A. Bemont.....	do.....		60			
49	J. Dalton.....	Elmwood.....		58			
50	D. H. Currin.....	Oak Hill.....		54			
51	Birdus Bros.....	Peoria.....		50			
52	Thomas Gooden.....	Mapleton.....		49			
53	Black Bros.....	do.....		40			
54	Thomas Jones.....	Peoria.....		38			
55	D. Harris & Son.....	Hanna City.....		30			
56	Thomas Bohanan.....	do.....		30			
57	B. Wolford.....	do.....		28			
58	S. Harper.....	do.....		26			
59	R. Armfield.....	do.....		24			
60	J. Scott.....	Oak Hill.....		21			
61	E. Slam.....	do.....		20			
62	J. Saunders.....	Monica.....		25			
63	W. Englekey.....	Peoria.....		23			
64	B. Wasson.....	Monica.....		26			
65	A. Myers.....	Pekin.....		30			
66	John Powell & Son.....	Mapleton.....		31			
67	D. Roberts & Son.....	do.....		22			
Totals.....			41,940	78,849			
Totals—64 mines.....			255,522	433,187		42,234	95,366

Mines reported for 1905, 87.
 Abandoned mines, 3.
 Mines in 1906, 84.

Peoria County—Third District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	165	\$248	.....	.....	165	.....	110	165	.....	.....	2	36
.....	160	240	.....	.....	160	.....	100	160	.....	.....	2	37
.....	120	180	.....	.....	120	.....	120	120	.....	.....	3	38
.....	100	200	.....	.....	100	.....	130	100	.....	1	3	39
.....	100	150	.....	.....	100	.....	120	100	.....	1	2	40
.....	90	135	.....	.....	90	.....	100	90	.....	.....	2	41
.....	89	133	.....	.....	89	.....	120	89	.....	.....	2	42
.....	80	120	.....	.....	80	.....	112	80	.....	.....	2	43
.....	70	105	.....	.....	70	.....	103	70	.....	.....	2	44
.....	70	105	.....	.....	70	.....	94	70	.....	.....	2	45
.....	68	126	.....	.....	68	.....	110	68	.....	.....	2	46
.....	60	90	.....	.....	60	.....	84	60	.....	.....	2	47
.....	60	90	.....	.....	60	.....	90	60	.....	.....	2	48
.....	58	87	.....	.....	58	.....	110	58	.....	.....	2	49
.....	54	81	.....	.....	54	.....	60	54	.....	.....	2	50
.....	50	75	.....	.....	50	.....	30	50	.....	.....	2	51
.....	49	74	.....	.....	49	.....	35	49	.....	.....	2	52
.....	40	60	.....	.....	40	.....	40	40	.....	.....	2	53
.....	38	57	.....	.....	38	.....	30	38	.....	.....	2	54
.....	30	45	.....	.....	30	.....	26	30	.....	.....	1	55
.....	30	45	.....	.....	30	.....	20	30	.....	.....	2	56
.....	28	42	.....	.....	28	.....	26	28	.....	.....	1	57
.....	26	39	.....	.....	26	.....	30	26	.....	.....	1	58
.....	24	36	.....	.....	24	.....	23	24	.....	.....	1	59
.....	21	32	.....	.....	21	.....	20	21	.....	.....	1	60
.....	20	30	.....	.....	20	.....	31	20	.....	.....	1	61
.....	25	50	.....	.....	25	.....	20	25	.....	.....	1	62
.....	22	33	.....	.....	22	.....	16	22	.....	.....	1	63
.....	26	52	.....	.....	26	.....	26	26	.....	.....	2	64
.....	30	45	.....	.....	30	.....	18	30	.....	.....	1	65
.....	31	46	.....	.....	31	.....	20	31	.....	.....	2	66
.....	22	33	.....	.....	22	.....	30	22	.....	.....	2	67
.....	120,789	\$173,238	.....	.....	120,789	.....	122	120,789	281	40	321	
18,185	844,484	\$989,227	684,748	18,495	124,960	16,281	.....	831,539	989	303	1,292	

Putnam County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	St. Paul Coal Co. No. 1.....	Granville.....	3,140	109,773	.....	.....	22,086

Mines reported for 1905—1.
Mines in 1906—1.

Stark County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Wyoming Coal Co. No. 1.....	Wyoming.....	4,300	2,100	.....	.....	500
2	Higbee & Watson.....	do.....	4,071	2,100	.....	.....	400
Totals.....			8,371	4,200	.....	.....	900
LOCAL MINES.							
1	W. B. Ballentine.....	Wyoming.....	.....	3,200	.....	.....	600
2	Jessie Savill.....	do.....	.....	2,081	.....	.....	50
3	Shady Lane Coal Co.....	do.....	.....	2,000	.....	.....	100
4	Jas Scott.....	do.....	.....	2,000	.....	.....	.....
5	Nicholas Peterson.....	Bradford.....	.....	1,400	.....	.....	200
6	Frank Berfield.....	Toulon.....	.....	1,344	.....	.....	.....
7	Robert Casney.....	Lombardville.....	.....	1,200	.....	.....	.....
8	Beaver Bros.....	Wyoming.....	.....	1,180	.....	.....	.....
9	Dalrymple Bros.....	Neponsit.....	.....	1,100	.....	.....	.....
10	W. W. Jones.....	Bradford.....	.....	1,000	.....	.....	.....
11	John Catton.....	West Jersey.....	.....	1,000	.....	.....	.....
12	Cahill & Code.....	Lombardville.....	.....	820	.....	.....	.....
13	John S. Taylor.....	Neponsit.....	.....	810	.....	.....	.....
14	John Thurston.....	Wyoming.....	.....	620	.....	.....	.....
15	Charles Charlson.....	do.....	.....	600	.....	.....	.....
16	Oscar Bass.....	do.....	.....	520	.....	.....	.....
Totals.....			.....	19,825	.....	.....	1,030
Total—18 mines.....			18,271	24,085	.....	.....	1,930

Mines reported for 1905—18.
Mines in 1906—18.

Putnam County—Third District—1906.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	135,004	\$171,060	124,918	175	3,753	6,158	244	135,004	188	91	279	1

Stark County—Third District—1906.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
210	7,070	89,385	4,470	.....	2,400	200	200	7,070	10	4	14	1
200	6,771	9,064	4,471	.....	2,100	200	200	6,771	10	2	12	2
410	13,841	\$18,449	8,941	.....	4,500	400	200	13,841	20	6	26	
.....	3,800	\$5,900	.....	.....	3,800	.....	200	3,800	6	4	10	1
.....	2,081	3,579	.....	.....	2,081	.....	200	2,081	4	2	6	2
.....	2,100	3,550	.....	.....	2,100	.....	200	2,100	6	4	10	3
.....	2,000	3,500	.....	.....	2,000	.....	190	2,000	4	2	6	4
.....	1,680	3,150	.....	.....	1,680	.....	200	1,680	4	2	6	5
.....	1,344	2,688	.....	.....	1,344	.....	240	1,344	3	2	5	6
.....	1,200	2,700	.....	.....	1,200	.....	300	1,200	4	2	6	7
.....	180	360	.....	.....	180	.....	45	180	3	1	4	8
.....	1,100	2,200	.....	.....	1,100	.....	180	1,100	4	2	6	9
.....	1,000	2,000	.....	.....	1,000	.....	200	1,000	4	2	6	10
.....	1,000	2,000	.....	.....	1,000	.....	190	1,000	5	1	6	11
.....	820	1,640	.....	.....	820	.....	160	820	4	1	5	12
.....	810	1,620	.....	.....	810	.....	180	810	3	2	5	13
.....	620	1,085	.....	.....	620	.....	200	620	3	1	4	14
.....	600	1,050	.....	.....	600	.....	180	600	4	1	5	15
.....	520	910	.....	.....	520	.....	160	520	4	1	5	16
.....	20,855	\$37,932	.....	.....	20,855	.....	189	20,855	65	30	95	
410	34,696	\$56,381	8,941	.....	25,355	400	.....	34,696	85	36	121	

Woodford County—Third District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Roanoke Coal Min. Co. No. 1.....	Roanoke	9,497	69,978	.....	.....	6,314
2	Minonk Coal Co. No. 2.....	Minonk.....	.....	22,068	14,216	.....	9,198
Totals—2 mines			9,497	91,046	14,216	.....	15,512

Mines reported for 1905—2.
Mines in 1906—2.

Woodford County—Third District—1906.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine	Average number of miners.			All other employes.	Total.		
6,303	90,092	\$117,468	75,954	3,875	3,960	6,303	210	90,092	154	64	218	1	
.....	46,482	101,241	36,218	.....	8,264	2,000	228	46,482	125	32	157	2
6,303	136,574	\$218,709	112,172	3,875	12,224	8,303	219	136,574	279	96	375		

Shipping Mines—Recapitulation by

COUNTRIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Pgg.	Nut.	Pes or screenings.	Slack or waste.		Hand mining.	Machine mining.
Livingston	4	66,794	110,421	10,472	6,496	44,297	555	239,065	\$0.6163	.....
Marshall	8	127,636	201,134	14,282	826	62,637	19,870	427,475	0.79	.....
Peoria	17	218,882	354,808	.....	42,284	35,356	15,355	728,685	0.59	\$0.79
Putnam	1	8,140	106,778	.....	.....	12,086	.....	115,004	0.79	.....
Stark	2	8,271	4,360	.....	.....	380	410	13,641	0.95	.....
Woodford	2	9,497	91,046	14,316	.....	15,512	6,888	136,574	0.79	.....
Totals and av	29	428,880	870,867	36,970	49,686	341,788	45,353	1,575,924	\$0.6734	\$0.79

Local Mines—Recapitulation by

COUNTIES	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						PRICES PAID PER TON FOR		
		Mine run.	Lump.	Pegg.	Nut.	Pes screenings.	Slack or waste.	Total tons produced.	Hand mining.	Machine mining.
Livingston	7	25,767	10,235	.....	1,789	2,704	1,265	41,970	\$0.6851	.....
Marshall	10	.....	9,315	.....	.....	440	.....	9,755	1.0319	.....
Peoria	67	41,340	78,749	.....	.....	.....	.....	120,089	0.8932	.....
Stark	16	.....	19,825	.....	.....	1,000	.....	20,825	1.0365	.....
Totals and av	100	67,707	118,284	.....	1,789	4,174	1,265	193,389	\$0.9573	.....
Totals, district all mines	129	436,627	889,251	38,970	51,785	245,762	46,618	1,689,023	.....	.....

Number of mines reported in 1905, 134.

Number of new mines opened during the year, none.

Number of mines abandoned during the year, 5.

Number of mines reported for 1906, 129.

Counties—Third District—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
235	239,065	.....	\$1.1431	\$1.726	\$1.5633	\$1.5471	\$0.6502	\$0.35	270	120	390
233	427,475	.....	1.4827	1.8015	1.46	1.40	0.4998	0.4812	760	256	1,016
190	710,750	12,945	1.0848	1.4107	.....	1.0006	0.3846	0.3025	708	263	971
244	135,004	.....	1.32	1.44	.....	.....	0.40	.....	188	91	279
200	13,841	.....	1.25	1.75	.....	.....	0.50	0.50	20	6	26
219	136,574	.....	1.30	1.842	1.85	.....	0.7151	0.20	279	96	375
206	1,662,709	12,945	\$1.222	\$1.5913	\$1.63	\$1.080	\$0.487	\$0.369	2,225	832	3,057

Counties—Third District—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
233	41,970	.....	\$1.6993	\$1.9772	.....	\$2.00	\$0.7468	\$0.20	88	28	116
202	9,755	.....	.....	1.5582	.....	.....	1.25	.....	33	1	34
122	120,789	.....	1.25	1.5322	.....	.....	.....	.....	281	40	321
189	20,855	.....	.....	1.8768	.....	.....	0.7039	.....	65	30	95
149	193,369	.....	\$1.421	\$1.631	.....	\$2.00	\$0.7893	\$0.20	467	99	566
.....	1,856,078	12,945	.....	.....	.....	.....	.....	.....	2,692	931	3,623

FOURTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Fulton, Hancock, McDonough, McLean, Tazewell.

THOMAS WEEKS, *Inspector*, Bloomington.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois:

SIR—In compliance with section 12 of the mining law of the State of Illinois, defining the duties of the State inspectors of coal mines, I have the honor to herewith submit the first annual report of the coal mines in the fourth inspection district. This report contains, in addition to the following summary of items, the depth of the coal from the surface, in feet and inches; the thickness of coal in feet and inches; the geological number of the seam; the nature of the opening, whether shaft, slope or drift; the power used for raising coal, steam, horse or hand; the system of working, long-wall or room-and-pillar, and the method of mining.

The following is a summary of the different items contained in the report:

Number of mines.....	175
Number of new mines.....	62
Number of abandoned mines.....	29
Number of shipping mines.....	33
Number of local mines.....	142
Tons of mine run coal.....	328,847
Tons of lump coal.....	892,390
Tons of egg coal.....	268,117
Tons of nut coal.....	64,687
Tons of pea or screenings coal.....	378,686
Tons of slack or waste coal.....	93,666
Tons of all grades of coal.....	2,026,383
Average value of coal per ton, mine run, shipping mines.....	\$1.196
Average value per ton, lump, shipping mines.....	\$1.478
Average value per ton, egg coal, shipping mines.....	\$1.338
Average value per ton, nut coal, shipping mines.....	\$1.142
Average value per ton, pea or screenings, shipping mines.....	\$0.497
Average value per ton, slack or waste, shipping mines.....	\$0.373
Aggregate value of total product, all mines.....	\$2,392,317
Tons loaded on cars for shipment.....	1,616,865
Tons supplied to locomotives at mines.....	57,714
Tons sold to local trade.....	283,203
Tons consumed or wasted at mines.....	68,601
Average number of days of active operation, shipping mines.....	192
Tons mined by hand.....	2,026,383
Number of miners.....	2,865
Number of other employes underground.....	637
Number of boys underground.....	24
Number of employes above ground.....	319
Total number of all employes.....	3,845
Number of kegs of powder consumed.....	94,221
Number of pounds of dynamite used.....	2,226
Number of fatal accidents.....	4
Number of non-fatal accidents.....	16

Number of wives made widows.....	2
Number of children left fatherless.....	12
Number of employes to each fatal accident.....	961
Number of tons of coal to each fatal accident.....	506,596
Ratio of fatal accidents per 1,000 employed.....	1.00
Number of employes to each non-fatal accident.....	240
Number of tons of coal to each non-fatal accident.....	126,649

The increasing of the number of inspection districts from seven to ten, which took effect July 1, 1905, left only McLean county from the old fourth district, and gave as new counties to this district, Fulton, Hancock, McDonough and Tazewell from the old third district.

The following table presents the tonnage for each of the counties now comprising the fourth district with the increase and decrease for both the years 1905 and 1906.

County.	TOTAL TONS, ALL GRADES OF COAL.		Increase.	Decrease.
	1905	1906		
Fulton.....	1,439,489	1,598,798	154,304	
Hancock.....	11,560	10,907		653
McDonough.....	43,944	56,550	12,606	
McLean.....	175,010	152,500		22,510
Tazewell.....	235,001	212,633		22,368
Totals.....	1,905,004	2,026,888	166,910	45,581
Net increase.....		121,379		

NEW MINES.

The Big Creek Coal Co. has sunk and put into operation a new mine at Cuba, Fulton county. The Canton Coal Co. has completed and put into operation a new mine at Canton, Fulton county. Both of these mines have the air and escapment shafts completed and the fans in place.

George Westerby has sunk a shaft at Farmington, Fulton county, which is intended for the local trade.

The Standard Coal Co. has opened a new mine at East Peoria, Tazewell county, which will supply the local trade.

ABANDONED MINES.

The Big Creek Coal Co. has abandoned its mine No. 1, located at Bryant, Fulton county. The Canton Coal Co. and the Canton Union Coal Co. Canton, Fulton county, have each abandoned a mine. The Standard Coal Co. has abandoned its mine located at East Peoria, Tazewell county.

PROSPECTIVE MINES.

The Simmons Coal Co. has begun the opening of a new mine about one and a half miles north of Canton, Fulton county. The main shaft struck the No. 5 seam at a depth of 124 feet.

IMPROVEMENTS.

The Monmouth Coal Co. of Brerton, Fulton county, has installed a new 20-foot fan to take the place of the smaller one formerly used, which will greatly improve the ventilation.

The Norris Coal Mining Co. has replaced its old second motion engine with a new first motion engine. The company has also repaired some of the old

Rebuilt and replaced others with new ones, which has greatly increased the efficiency of their plant and have also built a new brick engine house. This mine is located at Norton, Fulton county.

In Lawrence county the Tarrant Coal Co. has put a stairway in its new development which is a great improvement over the old one.

The Weston Coal Co. West Virginia has built stairs for the local trade, and has also connected its mine with the railroad.

The New York Coal Co. has extended the main rope in its mine 1,000 feet away from the surface of the workings.

James H. Hays has built one mile of railroad track to connect their mine with the C. & N. O. railroad. They have built the switches, and also made necessary to convert their mine from a local to a shipping mine. In addition they have also placed in position a new 12-foot fan, which has improved the ventilation in their mine.

ST. LOUIS, MISSOURI.

At St. Louis, Mo., the St. Louis Coal Co. has built a new shaft and has placed a new engine house in the basement. The St. Louis Coal Co. has also built a new shaft and has placed a new engine house in the basement. The St. Louis Coal Co. has also built a new shaft and has placed a new engine house in the basement.

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Fatal Casualties—Fourth District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widow.	Children.	Single.	Persons dependent.	Cause of Accident.
1905										
Oct. 21	Robert Walsh	24	Driver	Bloomington..	...	...	1	1	1	Falling rock.....
Nov. 21	Arthur Kepler.....	56	do.....	Hanna City...	1	1	6	...	7	Side shaft and cage..
1906										
Feb. 17	John Cuculish	40	Miner	Pekin .....	...	...	1	1	...	Powder explosion....
June 3	Adolph Giebelhous'n	50	do.....	East Peoria...	1	1	6	...	7	Falling rock.....
	Total				2	2	12	2	15	

Recapitulation of Fatal Casualties—Fourth District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Bloomington....	1	Drivers	2	Cage, bottom of shaft	1	Gus Giebelhousen	1
East Peoria....	1	Miner.....	2	Falling rock	2	McLean County Coal Co..	1
Hanna City	1			Powder explosion ..	1	Monarch Coal & Min. Co..	1
Pekin	1					Tazewell Coal Co	1
Total	4		4		4		4

Non-fatal Casualties—Fourth District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost days.
1906									
Sept.	9 A. Mutholovitch	22	St. David	1				Foot crushed, falling slate.	50
	29 John Burette	24	Farmington	1				Body bruised, pit cars	30
Oct.	4 Chris Fink	42	Bloomington	1		5	6	Collarbone broken, mule ran away	45
Nov.	4 P. Engle	34	Cuba	1		1	2	Hips crushed, railroad cars.	37
	13 James Milana	35	Norris	1				Hand crushed, falling slate.	60
	14 C. G. Johnson	35	Bloomington	1		3	4	Foot broken, pit cars	35
Dec.	16 Raymond Negley	16	Brereton	1				Thigh fractured, pit cars	105
	22 R. Walder	34	Cuba	1				Back injured, falling slate ..	90
1906									
Jan.	13 Wm. H. Newman	17	Peoria	1				Body burned, powder expl'n	91
	13 Peter Fredrickson	54	Bloomington	1				Fingers crushed, pit cars ..	45
	27 Thos. Price	21	Brereton	1				Ankle bruised, pit cars	36
Feb.	15 Chris Schlopp	24	Bloomington	1				Ribs broken, pit car	30
	19 Albert Davis	30	St. David	1				Leg broken, pit cars	70
Mar.	26 Charles Steffens	35	Dumferline	1				Face and body burned, pdr. explosion	42
May	15 Clarence Mowery	35	Canton	1				Arm broken, pit cars	42
June	28 Joseph Smith	58	Bloomington	1		7	8	Leg and ribs brkn., fal. slate	*
	Total			4	12	16	20		

*Not recovered July, 1906.

Total men injured	16
Number recovered July 1, 1906	15
Not recovered July 1, 1906	1
Total time lost by men recovered	800
Average time lost by men recovered, days	53.9

Fulton County—Fourth District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
246	234,596	\$253,161	229,815	1,176		3,605	251	234,596	253	73	326	1
2,551	202,458	216,130	197,784	745	1,773	2,156	221	202,458	183	98	281	2
3,539	198,147	215,871	190,820		1,250	6,077	207	198,147	190	87	277	3
	158,562	172,353	155,104		218	3,240	175	158,562	181	75	256	4
32,259	141,864	155,689	137,430		259	4,175	189	141,864	109	68	177	5
10,000	125,000	150,500	110,000	12,400	1,000	1,600	230	125,000	130	52	182	6
2,704	70,276	75,332	55,817	11,607	149	2,703	209	70,276	112	39	151	7
11,119	53,662	58,407	51,871			1,791	165	53,662	52	20	72	8
	50,088	55,028	45,987		2,601	1,500	165	50,088	51	29	80	9
2,000	46,700	49,585	44,700			2,000	124	46,700	85	30	115	10
502	30,913	39,572	29,181		346	1,386	187	30,913	39	14	53	11
	29,918	37,397	29,918				100	29,918	50	18	68	12
695	51,699	58,918	51,039		240	420	103	51,699	144	37	181	13
1,022	23,584	27,929	21,052		1,510	1,022	189	23,584	32	16	48	14
	21,105	29,230	15,000		5,500	605	227	21,105	20	6	26	15
651	21,072	17,565	20,421			651	83	21,072	48	20	68	16
	18,357	26,243	16,555	1,176	100	526	175	18,357	25	10	35	17
547	12,298	15,988	9,724		1,353	1,211	190	12,298	15	8	23	18
	9,152	11,434	8,922	180	50		208	9,152	11	4	15	19
	5,487	5,766	5,250			237	35	5,487	35	15	50	20
	4,388	5,945	4,388				150	4,388	10	3	13	21
	4,242	4,596	3,815			427	22	4,242	70	20	90	22
	3,000	3,540	3,000				225	3,000	7	1	8	23
67,835	1,516,568	\$1,686,179	1,437,593	27,284	16,359	35,332	184	1,516,568	1,852	743	2,595	
	12,420	\$17,595			12,420		260	12,420	15	3	18	1
	7,220	8,823			7,220		138	7,220	15	6	21	2
	4,800	8,400			4,800		280	4,800	4		4	3
50	3,250	4,800			3,200	50	234	3,250	6	1	7	4
	3,200	4,800			3,200		200	3,280	4	1	5	5
	3,744	6,240			3,744		250	3,744	7	1	8	6
	3,100	3,500			3,100		300	3,100	4		4	7
	3,000	3,750			3,000		250	3,000	5		5	8
	2,840	3,510			2,840		280	2,840	6		6	9
	2,630	3,603			2,630		252	2,630	6	1	7	10
	3,060	5,215			3,060		250	3,060	5	1	6	11
	2,268	3,107			2,268		200	2,268	5	1	6	12
	2,000	2,740			2,000		150	2,000	7	2	9	13
	1,455	1,819			1,455		200	1,455	4		4	14
	1,424	1,769			1,424		150	1,424	3		3	15
	1,060	1,325			1,060		175	1,060	2		2	16
	1,000	1,250			1,000		150	1,000	2		2	17
	960	1,200			960		300	960	3		3	18
	920	1,150			920		90	920	2		2	19
	820	1,025			820		200	820	2		2	20
	800	1,400			800		200	800	2		2	21
	800	1,000			800		150	800	2		2	22
	800	1,600			800		200	800	3	1	4	23
	662	827			662		175	662	3		3	24
	640	800			640		150	640	3		3	25
	640	800			640		50	640	2		2	26
	640	800			640		100	640	2		2	27
	840	1,530			832	8	250	840	4	1	5	28
	624	775			624		129	624	3		3	29
	600	750			600		120	600	2		2	30

Fulton County—Fourth District—1906—Continued.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES—Concluded.							
31	James Mey	Lewistown		500		40	
32	C. A. Frayell	Farmington		500			224
33	Daniel Williams	Rapatee		400			
34	N. A. Rowden	Cuba		400			
35	George Gibboney	Ipava		400			
36	Harry Dilts	Glassford		500			
37	John A. Lamb	Maple Mills		500			
38	John E. Clark	Glassford		500			
39	Jacob Wages	Canton		400			
40	L. Clemens	Ipava		400			
41	C. F. Joy	Canton		300			
42	Richard Jayne	Cuba		300			
43	Lewis Putman	Canton		200			
44	James Walk	Glassford		200			
45	W. Whittle	Fairview		200			
46	H. W. Baylor	Canton		225			
47	E. D. Woodcock	do.		200			
48	J. Orendorf	Cuba		200			
49	John Gillett	Banner		100			
50	Ben Eveland	Lewistown		100			
51	George Houston	Canton		100			
52	Warren Whites	do.		104			
53	John Dunton	do.		100			
54	Oscar Oleson	do.		100			
55	L. W. Davis	Fairview		80			
56	Sam Ashby	Norris		80			
57	Robert H. Aul	do.		80			
58	Jeff Stout	Fairview		80			
59	W. A. Sheets	London Mills		80			
60	Bryant Shreeves	Canton		80			
61	S. Ketchum	do.		80			
62	John P. Snyder	do.		80			
63	Wm. Whitehead	Maple Mills		40			
64	John Whitman	Brereton		32			
65	Charles Fidler	Canton		8			
Totals			200	67,928		61	8,908
Totals—68 mines			156,556	696,993	264,117	59,687	349,715

Mines reported for 1905, 50.

*New mines, 38.

Mines in 1906, 88.

*32 not previously reported; 6 new mines.

Fulton County—Fourth District—1906—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Sluck or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employés.	Total.	
.....	600	1,020	.....	.....	600	.....	114	600	4	2	.....	631
.....	784	1,232	.....	.....	560	224	100	784	7	1	.....	832
.....	480	600	.....	.....	480	.....	150	480	3	.....	.....	333
.....	480	600	.....	.....	480	.....	150	480	2	.....	.....	234
.....	400	648	.....	.....	400	.....	175	400	2	.....	.....	235
.....	840	1,050	.....	.....	840	.....	150	840	4	1	.....	536
.....	500	625	.....	.....	500	.....	100	500	2	.....	.....	237
.....	500	625	.....	.....	500	.....	90	500	2	.....	.....	238
.....	400	400	.....	.....	400	.....	100	400	3	.....	.....	339
.....	400	688	.....	.....	400	.....	150	400	2	.....	.....	240
.....	360	619	.....	.....	360	.....	120	360	2	.....	.....	241
.....	300	375	.....	.....	300	.....	100	300	2	.....	.....	242
.....	280	350	.....	.....	280	.....	50	280	2	.....	.....	243
.....	280	350	.....	.....	280	.....	90	280	2	.....	.....	244
.....	280	350	.....	.....	280	.....	186	280	1	.....	.....	145
.....	220	246	.....	.....	220	.....	150	220	1	.....	.....	146
.....	200	250	.....	.....	200	.....	100	200	2	.....	.....	247
.....	200	250	.....	.....	200	.....	50	200	2	.....	.....	248
.....	160	200	.....	.....	160	.....	40	160	2	.....	.....	249
.....	160	160	.....	.....	160	.....	80	160	2	.....	.....	250
.....	160	200	.....	.....	160	.....	90	160	2	.....	.....	251
.....	104	104	.....	.....	104	.....	85	104	2	.....	.....	252
.....	100	125	.....	.....	100	.....	30	100	1	.....	.....	153
.....	100	100	.....	.....	100	.....	50	100	1	.....	.....	154
.....	80	100	.....	.....	80	.....	50	80	2	.....	.....	255
.....	80	120	.....	.....	80	.....	30	80	1	.....	.....	156
.....	80	120	.....	.....	80	.....	40	80	2	.....	.....	257
.....	80	100	.....	.....	80	.....	40	80	2	.....	.....	258
.....	80	140	.....	.....	80	.....	70	80	1	.....	.....	159
.....	80	80	.....	.....	80	.....	50	80	1	.....	.....	160
.....	80	80	.....	.....	80	.....	60	80	1	.....	.....	161
.....	80	100	.....	.....	80	.....	40	80	1	.....	.....	162
.....	40	40	.....	.....	40	.....	20	40	1	.....	.....	163
.....	32	48	.....	.....	32	.....	18	32	1	.....	.....	164
.....	8	10	.....	.....	8	.....	4	8	2	.....	.....	265
50	77,225	\$108,007	.....	.....	76,943	282	137	77,225	203	23	.....	226
67,885	1,593,793	\$1,794,186	1,437,593	27,284	93,302	35,614	.....	1,593,793	2,055	766	.....	2,821

Hancock County—Fourth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Meredith Bros., R. R. shaft	Augusta		8,400			
LOCAL MINES.							
1	C. H. Ellis.....	Augusta		967			
2	W. C. Courtney	do.		660			
3	L. Bennett	do.		640			
4	Webster & Ring.....	do.		240			
Totals				2,507			
Totals—5 mines.....				10,907			

Mines reported for 1906, 5.

New mines, 1.

Abandoned mines, 1.

Mines in 1906, 5.

Hancock County—Fourth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
	8,400	\$16,800	8,000		400		210	8,400	10	2	12	1
	967	\$1,934			967		130	967	5	1	6	1
	660	1,320			660		200	660	3	1	4	2
	640	1,280			640		150	640	3	1	4	3
	240	480			240		130	240	6	1	7	4
	2,507	\$5,014			2,507		153	2,507	17	4	21	
	10,907	\$21,814	8,000		2,907			10,907	27	6	33	

McDonough County—Fourth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Rippetoe & Rundle	Colchester	7,306	5,942	.....	.....	866
2	A. Burney Coal Co	do. ....	.....	5,851	.....	.....	2,899
Totals			7,306	11,793	.....	.....	3,755
LOCAL MINES.							
1	John Wilson	Colchester .....	.....	4,904	.....	.....	.....
2	Birney & Co.	do. ....	.....	1,914	.....	.....	.....
3	Ralph Oldham	do. ....	.....	1,633	.....	.....	.....
4	Williams Coal Co	do. ....	.....	1,600	.....	.....	.....
5	Atkinson Bros	do. ....	.....	1,242	.....	.....	.....
6	J. C. Kirkbride	Vermont .....	.....	1,070	.....	.....	.....
7	Wm. Hobby	Colchester .....	.....	1,058	.....	.....	.....
8	Frank Burdick	Industry .....	.....	1,000	.....	.....	.....
9	Samuel Oldham	Colchester .....	.....	980	.....	.....	.....
10	Jaylor & Bexson	Blandinsville. ....	.....	980	.....	.....	.....
11	Thos. E. Wilson	do. ....	.....	890	.....	.....	.....
12	Wm. H. Robinson	Colchester .....	.....	890	.....	.....	.....
13	T. L. Bowman	Industry .....	.....	800	.....	.....	.....
14	Michael Humes	Colchester .....	.....	616	.....	.....	.....
15	Wayland Bros	do. ....	.....	581	.....	.....	.....
16	John Berry	do. ....	.....	540	.....	.....	.....
17	C. Waddell	Tennessee .....	.....	528	.....	.....	.....
18	Wm. Kipling	Colchester .....	.....	500	.....	.....	.....
19	Wm. Jones	do. ....	.....	488	.....	.....	.....
20	Walter Upham	do. ....	.....	480	.....	.....	.....
21	Marion McClure	do. ....	.....	458	.....	.....	.....
22	Wm. Hulson	do. ....	.....	437	.....	.....	.....
23	Reynolds & Lowry	do. ....	.....	431	.....	.....	.....
24	Cooper & Stone	do. ....	.....	416	.....	.....	.....
25	Wm. Edington	Macomb .....	.....	402	.....	.....	.....
26	Ala. Vawter	Colchester .....	.....	400	.....	.....	.....
27	Lewis Lewis	do. ....	.....	400	.....	.....	.....
28	Geo. W. Foster	do. ....	.....	400	.....	.....	.....
29	Fred Curtis	Industry .....	.....	400	.....	.....	.....
30	Harper & Swanson	Colchester .....	.....	375	.....	.....	.....
31	John Betson	do. ....	.....	360	.....	.....	.....
32	Russell & Moon	do. ....	.....	360	.....	.....	.....
33	Frank Voglar	Birmingham .....	.....	352	.....	.....	.....
34	Ora Barrett	Colchester .....	.....	320	.....	.....	.....
35	Joseph Bunt	do. ....	.....	320	.....	.....	.....
36	Bradley Dunbar	do. ....	.....	290	.....	.....	.....
37	Wm. Whalen	do. ....	.....	290	.....	.....	.....
38	C. H. Price	Macomb .....	.....	252	.....	.....	.....
39	Richard Laity	Colchester .....	.....	251	.....	.....	.....
40	Lee McClure	do. ....	.....	244	.....	.....	.....
41	Eli Hilliard	do. ....	.....	240	.....	.....	.....
42	Isaac Fisher	do. ....	.....	240	.....	.....	.....
43	Willis Stoneging	Fandora .....	.....	212	.....	.....	.....
44	Jackson Gilligan	Industry .....	.....	200	.....	.....	.....
45	George Moon	Colchester .....	.....	200	.....	.....	.....
46	J. E. Smith	do. ....	.....	160	.....	.....	.....
47	Andrew Swanson	do. ....	.....	160	.....	.....	.....
48	Wm. Baker	Macomb .....	.....	160	.....	.....	.....

McDonough County—Fourth District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Days of active operation.		Average number of miners.	All other employees.	Total.	
.....	14, 114	\$22, 645	14, 114	.....	.....	.....	250	14, 114	30	3	33	1
279	9, 019	13, 135	8, 740	.....	.....	279	125	9, 019	35	5	40	2
279	23, 133	\$35, 780	22, 854	.....	.....	279	187	23, 133	65	8	73	
280	5, 184	\$9, 318	.....	.....	4, 904	280	220	5, 184	18	2	20	1
.....	1, 914	3, 589	.....	.....	1, 914	.....	125	1, 914	10	.....	10	2
154	1, 787	3, 343	.....	.....	1, 633	154	240	1, 787	7	.....	7	3
.....	1, 600	2, 800	.....	.....	1, 600	.....	275	1, 600	2	.....	2	4
.....	1, 242	2, 329	.....	.....	1, 242	.....	250	1, 242	5	.....	5	5
80	1, 150	2, 180	.....	.....	1, 070	80	280	1, 150	4	.....	4	6
.....	1, 058	1, 851	.....	.....	1, 058	.....	135	1, 058	4	1	5	7
.....	1, 000	2, 250	.....	.....	1, 000	.....	240	1, 000	5	1	6	8
.....	960	1, 690	.....	.....	960	.....	150	960	6	.....	6	9
80	1, 040	2, 440	.....	.....	960	80	300	1, 040	4	1	5	10
.....	890	2, 200	.....	.....	890	.....	250	890	6	1	7	11
.....	830	1, 690	.....	.....	830	.....	200	830	5	1	6	12
.....	800	1, 600	.....	.....	800	.....	160	800	6	1	7	13
.....	616	1, 078	.....	.....	616	.....	250	616	3	.....	3	14
.....	581	1, 017	.....	.....	581	.....	160	581	3	.....	3	15
.....	540	1, 080	.....	.....	540	.....	180	540	3	.....	3	16
.....	528	1, 188	.....	.....	528	.....	290	528	2	.....	2	17
.....	500	1, 000	.....	.....	500	.....	160	500	2	.....	2	18
.....	488	976	.....	.....	488	.....	130	488	5	.....	5	19
.....	480	780	.....	.....	480	.....	300	480	1	.....	1	20
.....	458	916	.....	.....	458	.....	198	458	5	.....	5	21
.....	437	874	.....	.....	437	.....	120	437	5	.....	5	22
.....	431	862	.....	.....	431	.....	110	431	3	.....	3	23
.....	416	832	.....	.....	416	.....	120	416	2	.....	2	24
.....	402	905	.....	.....	402	.....	175	402	4	.....	4	25
.....	400	800	.....	.....	400	.....	150	400	3	.....	3	26
.....	400	800	.....	.....	400	.....	150	400	2	.....	2	27
.....	400	850	.....	.....	400	.....	200	400	2	.....	2	28
.....	400	800	.....	.....	400	.....	100	400	3	.....	3	29
.....	375	750	.....	.....	375	.....	250	375	3	.....	3	30
.....	360	540	.....	.....	360	.....	240	360	1	.....	1	31
.....	360	810	.....	.....	360	.....	100	360	4	.....	4	32
.....	352	616	.....	.....	352	.....	110	352	2	.....	2	33
.....	320	560	.....	.....	320	.....	120	320	2	.....	2	34
.....	320	640	.....	.....	320	.....	125	320	3	.....	3	35
.....	280	525	.....	.....	280	.....	240	280	2	.....	2	36
.....	280	490	.....	.....	280	.....	40	280	5	.....	5	37
.....	252	441	.....	.....	252	.....	160	252	2	.....	2	38
.....	251	502	.....	.....	251	.....	155	251	2	.....	2	39
.....	244	488	.....	.....	244	.....	204	244	1	.....	1	40
.....	240	510	.....	.....	240	.....	115	240	2	.....	2	41
.....	240	480	.....	.....	240	.....	75	240	2	.....	2	42
.....	212	371	.....	.....	212	.....	90	212	2	.....	2	43
.....	200	400	.....	.....	200	.....	140	200	2	.....	2	44
.....	200	400	.....	.....	200	.....	60	200	4	.....	4	45
.....	160	280	.....	.....	160	.....	130	160	2	.....	2	46
.....	160	320	.....	.....	160	.....	120	160	1	.....	1	47
.....	160	320	.....	.....	160	.....	50	160	2	.....	2	48

McDonough County—Fourth District—1906—Continued.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES—Concluded.							
49	Patrick Whalen	Colchester		160			
50	Charles Porter	do.		158			
51	King & Peck	do.		140			
52	Anton Loksik	do.		136			
53	John Reeder	do.		120			
54	E. W. Miller	do.		120			
55	George McIntire	Industry		120			
56	J. C. Wittchell	Vermont		111			
57	Samuel McCord	Colchester		100			
58	Jasper Waller	do.		90			
59	Oswald Baird	do.		44			
60	Hoar & Foster	do.		40			
61	Wm. Russell	do.		40			
62	Geo. Polonus	do.		40			
63	Wm. Webster	do.		40			
64	Joseph Stone	do.		40			
65	Fox Bros	do.		40			
Totals				32,822			
Totals—67 mines.			7,306	44,616			3,755

McDonough County—Fourth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	160	320	.....	.....	160	.....	90	160	2	.....	2	49
.....	158	335	.....	.....	158	.....	100	158	3	.....	3	50
.....	140	245	.....	.....	140	.....	125	140	2	.....	2	51
.....	136	238	.....	.....	136	.....	100	136	1	.....	1	52
.....	120	210	.....	.....	120	.....	100	120	3	.....	3	53
.....	120	240	.....	.....	120	.....	60	120	2	.....	2	54
.....	120	240	.....	.....	120	.....	90	120	2	.....	2	55
.....	111	222	.....	.....	111	.....	110	111	1	.....	1	56
.....	100	200	.....	.....	100	.....	75	100	2	.....	2	57
.....	80	170	.....	.....	80	.....	100	80	3	.....	3	58
.....	44	77	.....	.....	44	.....	60	44	1	.....	1	59
.....	40	70	.....	.....	40	.....	30	40	2	.....	2	60
.....	40	80	.....	.....	40	.....	40	40	1	.....	1	61
.....	40	70	.....	.....	40	.....	50	40	1	.....	1	62
.....	40	80	.....	.....	40	.....	40	40	1	.....	1	63
.....	40	80	.....	.....	40	.....	40	40	1	.....	1	64
.....	40	80	.....	.....	40	.....	92	40	4	.....	4	65
594	33,417	\$64,398	.....	.....	32,823	594	145	33,417	206	8	214	
873	56,550	\$100,178	22,854	.....	32,823	873	.....	56,550	271	16	287	

McLean County—Fourth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	McLean County Coal Co	Bloomington..	10,000	80,000	4,000	5,000	4,000
2	Colfax Cooperative Coal Co	Colfax	9,108	6,285	.....	.....	7,819
3	Easterly Coal & Mining Co	Chenoa.....	7,213	3,500	.....	.....	.....
Totals.....			26,321	89,785	5,000	6,000	11,819

Mines reported for 1905, 3.
Mines in 1906, 3.

McLean County—Fourth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employés.	Total.	
12,000	115,000	\$168,600	16,000	23,500	52,500	23,000	200	115,000	200	76	276	1
3,075	26,287	37,291	11,343	6,930	4,939	3,075	301	26,287	27	18	45	2
500	11,213	18,541	6,888	.....	3,500	825	265	11,213	15	10	25	3
15,575	152,500	\$224,432	34,231	30,430	60,939	26,900	255	152,500	242	104	346	

Tazewell County—Fourth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Tazewell Coal Co	Pekin	47,535	9,523	.....	.....	4,206
2	Phoenix Coal Co	Peoria	44,652	.....	.....	.....	.....
3	Erie Star Coal Co	do.	5,016	10,306	.....	.....	6,371
4	Grant Bros.....	Pekin	1,960	9,320	.....	.....	2,820
Totals			99,163	29,148	.....	.....	13,397
LOCAL MINES.							
1	Eastern Coal Co	Peoria	23,533	.....	.....	.....	.....
2	Carter's Coal & Mining Co	do.	8,968	3,564	.....	.....	.....
3	Manhattan Fuel Co	East Peoria	7,000	.....	.....	.....	.....
4	A. B. Cummings	do. ....	.....	4,000	.....	.....	.....
5	Dering Coal Mining Co	do. ....	.....	3,780	.....	.....	.....
6	Champion Coal Co	Pekin .....	.....	3,473	.....	.....	.....
7	Giebelhausen & Son	Peoria .....	.....	3,100	.....	.....	.....
8	Bohlender Bros.....	Pekin .....	.....	4,184	.....	.....	.....
Totals			39,501	22,101	.....	.....	.....
Totals—12 mines.....			138,664	51,249	.....	.....	13,397

Mines reported for 1905, 12.

New mines, 2.

Abandoned mines, 2.

Mines in 1906, 12.

Tazewell County Fourth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine			Average number of miners.	All other employes.	Total.	
484	61,748	\$69,387	57,442		3,822	484	210	61,748	86	21	107	1
	44,652	51,350	44,652				169	44,652	49	25	74	2
500	22,192	24,007	10,133		11,559	500	178	22,192	23	9	32	3
	14,100	16,528	1,960		9,320	2,820	150	14,100	15	7	22	4
984	142,692	\$161,272	114,187		24,701	3,804	177	142,692	173	62	235	
	23,533	\$32,946			23,234	299	189	23,533	30	6	36	1
2,000	14,532	16,211			14,084	448	249	14,532	16	5	21	2
	7,000	8,750			6,900	100	175	7,000	10	3	13	3
1,710	5,710	6,684			5,533	177	127	5,710	13	4	17	4
1,620	5,400	6,480			5,400		209	5,400	8	2	10	5
1,489	4,962	6,822			4,756	206	206	4,962	8	2	10	6
1,520	4,620	5,220			4,620		250	4,620	6	2	8	7
	4,184	7,322			4,004	180	200	4,184	6	2	8	8
8,339	69,941	\$90,435			68,531	1,410	201	69,941	97	26	123	
9,323	212,633	\$251,707	114,187		93,232	5,214		212,633	270	88	358	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Fulton.....	23	156,356	627,907	264,117	59,626	340,727	67,835	1,516,568	\$0.59	.....
Hancock.....	1	.....	8,400	.....	.....	.....	.....	8,400	1.25	.....
McLean.....	3	26,321	89,785	4,000	5,000	11,819	15,575	152,500	0.7073	.....
McDonough.....	2	7,306	11,793	.....	.....	3,755	279	23,133	1.09	.....
Tazewell.....	4	99,163	29,148	.....	.....	13,397	984	142,692	0.5881	.....
Totals and av....	33	289,146	767,033	268,117	64,626	369,698	84,673	1,843,293	\$0.6088	.....

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Fulton.....	65	200	67,926	.....	61	8,988	50	77,225	\$0.7886	.....
Hancock.....	4	.....	2,507	.....	.....	.....	.....	2,507	1.25	.....
McDonough.....	65	.....	32,823	.....	.....	.....	594	33,417	1.317	.....
Tazewell.....	8	39,501	22,101	.....	.....	.....	8,339	69,941	0.5913	.....
Totals and av....	142	39,701	125,357	.....	61	8,988	8,983	183,090	\$0.8167	.....
Totals, district—all mines.....	175	323,847	892,390	268,117	64,687	378,686	93,656	2,026,383	.....	.....

Whole number of mines reported in 1905, 142.

Number of new mines opened during the year, 62.

Number of mines exhausted or abandoned during the year, 29.

Whole number of mines reported for 1906, 175.

Counties—Fourth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employés.	Total.
184	1,516,568	.....	\$1.1842	\$1.4197	\$1.3294	\$1.1544	\$0.4792	\$0.4253	1,853	743	2,595
210	8,400	.....	.....	2.00	.....	.....	.....	.....	10	2	12
255	152,500	.....	1.3696	1.8149	1.60	1.00	0.9446	0.1838	242	104	346
187	23,133	.....	1.50	1.85	.....	.....	0.80	.....	65	9	73
177	142,692	.....	1.1474	1.4057	.....	.....	0.4789	0.10	173	62	235
192	1,843,293	.....	\$1.1964	\$1.4784	\$1.3334	\$1.1424	\$0.4973	\$0.3734	2,342	919	3,261

Counties—Fourth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employés.	Total.
137	77,225	.....	\$1.25	\$1.4374	.....	\$1.00	\$1.119	.....	203	23	226
153	2,507	.....	.....	2.00	.....	.....	.....	.....	17	4	21
145	33,417	.....	.....	1.9534	.....	.....	.....	0.4717	206	8	214
201	69,941	.....	1.3053	1.5866	.....	.....	.....	0.4567	97	26	123
145	183,090	.....	\$1.305	\$1.6101	.....	\$1.00	\$1.119	\$0.4574	523	61	584
.....	2,026,383	.....	.....	.....	.....	.....	.....	.....	2,865	980	3,845

FIFTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Edgar, Macon, Vermillion.

THOMAS HANNAH, *Inspector*, Danville.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois:

SIR—In compliance with the law of the State of Illinois, defining the duties of the State inspectors of coal mines, I have the honor to herewith submit the first annual report of the coal mines in the fifth inspection district for the year ended June 30, 1906.

The tabular statements following the different items called for in the schedules returned by the operators. The following is a summary of the items contained in the reports of the several counties:

Number of mines.....	66
Number of new mines.....	6
Number of abandoned mines.....	13
Number of shipping mines.....	28
Number of local mines.....	40
Tons of mine run coal.....	1,560,324
Tons of lump coal.....	458,599
Tons of egg coal.....	45,856
Tons of nut coal.....	59,796
Tons of pea or screenings coal.....	154,141
Tons of slack or waste coal.....	4,802
Total tons of all grades of coal.....	2,288,018
Average value of mine run coal per ton at the mine.....	\$1.113
Average value of lump coal per ton at the mine.....	\$1.522
Average value of egg coal per ton at the mines.....	\$1.144
Average value of nut coal at the mines.....	\$1.085
Average value per ton of pea or screenings.....	\$0.882
Average value per ton of slack or waste coal.....	\$0.564
Aggregate value of total product of all mines.....	\$2,384,395
Tons loaded on cars for shipment.....	1,881,911
Tons supplied to locomotives.....	38,688
Tons sold to local trade.....	317,092
Tons consumed or wasted at the mine.....	50,332
Average number of days of active operation, shipping mines.....	198
Tons mined by hand.....	2,047,972
Tons mined by machine.....	235,046
Number of machines in use.....	51
Number of miners.....	2,725
Number of other employes underground.....	895
Number of boys underground.....	116
Number of employes above ground.....	261
Total number of all employes.....	3,997
Number of kegs of powder consumed.....	78,684
Quantity of dynamite used, pounds.....	8,275
Number of fatal accidents.....	15
Number of non-fatal accidents.....	23
Number of wives made widows.....	9
Number of children left fatherless.....	26
Number of employes to each fatal accident.....	266
Number of tons of coal to each fatal accident.....	152,201
Ratio of fatal accidents per 1,000 persons employed.....	3.8
Number of employes to each non-fatal accident.....	174
Number of tons to each non-fatal accident.....	99,262

The apportionment of the counties of the State into ten inspection districts, instead of seven, which went into effect July 1, 1905, made this, the fifth, an entirely new district. The coal producing counties now comprising this district being Edgar, Macon and Vermilion, all of which were previously in the fourth district.

The following comparative table shows the total tonnage of each county, with the increase or decrease for the years 1905 and 1906:

COUNTIES.	TOTAL OUTPUT IN TONS.		Increase.	Decrease.
	1905	1906		
Edgar	5,550	3,300	.....	2,250
Macon.....	196,628	266,883	70,255	.....
Vermilion	2,618,375	2,012,835	.....	605,540
Total	2,820,553	2,283,018	70,255	607,790
Net decrease				537,535

NEW MINES.

The Vermilion Coal Co. has put down two shafts, hoisting and escapement, on the line of the C., C., C. & St. L. railroad about three miles south of Westville, Vermilion county. The coal seam is No. 6 of the geological section. The hoisting engines are 20 by 36 inches, built by the Danville Machine Co., Danville, Illinois. The air compressors are 20 by 20 inches. The capacity being 950 cubic feet, built by the Sullivan Machinery Co. Also three Atlas engines, with boilers 72 inches by 18 feet, having 70-4 inch flues, capacity 150 H. P. The cage room or side track for cars at the bottom is 14 feet wide in the clear, nine feet high in the center at cage and runs down to seven and one-half feet in center, a distance of 175 feet on the west side; on the east side it is 11 feet high in center at the cage, and nine and one-half feet high, 25 feet from the bottom, it is arched with cement walls 18 inches thick and at the center of the arch one foot.

The Sherron Coal, Brick and Tile Co. is opening out a new mine two miles south of Georgetown, Vermilion county. The shaft is down to No. 6 seam; the coal is five feet thick at a depth of 245 feet. The company is using the engine from the abandoned mine formerly operated at Fairmount.

Howard is putting down a shaft for the local coal trade on the Howard farm about two miles east of Himrod, Vermilion county.

ABANDONED MINES.

In Vermilion county, the Consolidated Coal Co., St. Louis, Mo., has abandoned its mine at Fairmount.

The Kelley Coal Co. has abandoned its No. 3 mine at Westville.

G. H. Haskins has abandoned the mine known as Brookside, at Grape Creek.

IMPROVEMENTS.

The Kelley Coal Co. has removed the large fan from its abandoned mine No. 3, Westville, and placed it at its No. 5 mine at Danville. This was a much needed change as the fan at the No. 5 mine was too small to produce the quantity of air required for the men at work in the mine.

The Muncie Coal Co., Muncie, Vermilion county, has made a new connection with the escapement shaft of its mine.

The Dering Coal Co., Westville, has put overcasts in its No. 1 and No. 2 mines.

ENFORCEMENT OF THE MINING LAWS.

I had to apply to the State's attorney of Vermillion county to compel the Dering Coal Co. to comply with the law in regard to overcasts in its mine.

MINE FIRE.

The second of February, 1906, the fan house and tippie at the mine of the DeWitt Coal Co., located at Paris, Edgar county, were burned down. The fire was discovered about 12:00 o'clock midnight. It is supposed that some person set fire to the fan house.

FATAL ACCIDENTS.

July 19, 1905. Paul Wenckers, miner, aged 35 years, single, was killed at 1:30 p. m. by falling rock in the Dering Coal Co.'s mine at South Westville.

July 21, 1905. Joseph Hastie, loader, aged 24 years, single, was killed in the mine of the Manufacturers and Consumers Coal Co., Decatur, Macon county, by falling slate. Suit for damages in this case was brought before the courts twice, when, at the second trial, the company took it out of court and settled the claim.

July 29, 1905. Andrew Trehibirka, miner, aged 25 years, married, a native of Russia, was seriously injured in the Dering Coal Co.'s mine No. 1, Westville, by falling rock. He died from his injuries August 9, 1905, and leaves a widow and two children.

October 2, 1905. John Stous, miner, aged 35 years, married, Hungarian, was instantly killed by falling rock in the Dering Coal Co.'s mine No. 1. Deceased had gone into the gob, a place where he had no business to be, when a heavy fall of rock came down on him. He leaves a widow and two children.

November 2, 1905. John Klumirckik, miner, aged 45 years, married, Austrian, was killed by falling rock at the face of his room in the Dering Coal Co.'s mine No. 2. He leaves a widow and four children.

November 2, 1905. George Moss, miner, aged 26 years, married, had his spine broken in the Spangler & Jones mine, Danville, Vermillion county. A piece of rock had slipped through between two bars, the bars not being properly propped were spread apart letting the rock fall on him. He died in St. Elizabeth hospital, Danville, November 24, 1905, leaving a widow and two children.

November 9, 1905. Peter Autilla, driver, 19 years, single, a native of Russia, received injuries in the Dering Coal Co.'s mine No. 2, Westville, Vermillion county, by having his head crushed between pit cars. He died the following day.

November 10, 1905. Adrin Rodgers, miner, aged 40 years, single, a native of Belgium, was killed by falling rock at the face of his room in the Dering Coal Co.'s mine No. 2, Westville, Vermillion county. I inspected this mine November 2, and found it in a dangerous condition, needing additional props set to support the roof. I called the attention of this man at that time to the dangerous condition, and stopped him from loading any more coal until he had set timbers opposite in the side room and also at the working face. I also called the attention of the mine manager to the condition of this room and gave him orders not to allow the men to load any more coal until the props were set. I was called back to the mine on the 10th of November and found the props had been set opposite the side room, but only three props had been set in the room since my previous visit.

November 11, 1905. John Cummins, driver, aged 28 years, single was killed in the Dering Coal Co.'s mine No. 2, being run over by pit cars. This was the first day deceased had worked in this mine. He was bringing his trip down the incline in the mine without sprags. The cars jumping from the track at the foot of the entry passed over him, killing him instantly. He formerly worked in mines at Pana.

December 28, 1905. Clarence Gerrard, night boss, aged 30 years, married, was killed in the Dering Coal Co.'s mine No. 2 by falling rock. There were two men loading rock in the entry, when Gerrard came in to see them, about

Table Showing the Nature of Injuries, Number of Persons Injured Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries
					Total days.	Average days.	
Ankles broken.....	1				90	90.00	4.33
Ankles injured.....	1				40	40.00	4.35
Body injured.....	13				385	32.08	56.52
Eye injured.....	1						4.35
Foot injured.....	1				30	30.00	4.35
Leg broken.....	2				240	120.00	8.69
Leg injured.....	4				185	46.25	17.39
Totals, averages and percentages...	23				970	46.19	100.00

-17 C.

Vermilion County—Fifth District—1906.

			OUTPUT OF MINES.			
Number.	NAME OF OPERATOR.	Postoffice address of the mine.	Mine run.	Lump.	Egg.	Nut.
SHIPPING MINES.						
1	Dering Coal Co., No. 1	Westville	304, 178			
2	Dering Coal Co., No. 2	do.	301, 810			
3	Kelly Coal Co., No. 4	Danville	180, 280	43, 902		
4	Kelly Coal Co., Pawnee	do.	22, 880	98, 511	25, 168	21, 144
5	Kelly Coal Co., No. 5	do.	157, 050			
6	Kelly Coal Co., Himrod	do.	30, 108	40, 112	20, 188	16, 143
7	Electric Coal Co., Electric	do.	81, 232			
8	Dering Coal Co., No. 3	Westville	56, 052			
9	Kelly Coal Co., No. 2	Danville	45, 980	5, 130		
10	Chicago Collieries Co., No. 10	Catlin	3, 467	32, 916		490
11	Consolidated Coal Co., Fairmount.	Fairmount	46, 920			
12	Economy Coal Co.	Danville	43, 516	677		
13	E. S. Gray Coal Co., No. 4	do.	44, 000			
14	Oakwood Coal Co.	Oakwood	5, 198	20, 805		
15	Dering Coal Co., No. 4	Westville	33, 214			
16	Mauck Bros., No. 2	Danville	15, 000	8, 000		
17	Salt Fork Coal Co.	Oakwood	25, 500			
18	Bunting Bros.	Grape Creek	20, 084	2, 586		
19	Vermilion Coal Co., No. 1	Georgetown	9, 815			
20	John O'Connell Coal Co., Blue Bird	Danville	7, 182			
21	G. H. Haskins, Brookside	Grape Creek		1, 102		88
Totals			1, 433, 466	253, 741	45, 356	37, 865
LOCAL MINES.						
1	Reynolds & Bales	Tilton	15, 000			
2	J. H. Pearl	Danville		10, 000		
3	Tilton Coal Co.	Tilton	12, 865			
4	Stansbury & Watkins	Danville		4, 500		
5	D. A. Jenkins	do.		4, 500		
6	L. S. Miller	do.	6, 400			
7	Joe Mauck	do.		5, 550		
8	Bryant & Spicer	Grape Creek		5, 000		
9	France Bros	Fairmount.		4, 000		
10	Miller & Spangler	Danville		4, 800		
11	Adolph Roland	Grape Creek		3, 600		
12	W. C. Shafer	Danville		2, 750		
13	Lawrence Beluki	Catlin		3, 000		
14	A. H. Bonnett.	Collison		3, 000		
15	John Edwards	Vandercrook.	3, 600			
16	Webster Bros.	Danville		3, 568		
17	Cantrall Bros	do.		3, 400		
18	Jones & Spangler.	do.		1, 080		
19	Carter Bros	do.	3, 000			
20	W. Van Horn	do.	3, 000			
21	Aldridge & Wolf	do.		3, 000		
22	M. C. Wilkinson	do.		1, 500		
23	Joe Thompson	Grape Creek		2, 000		
24	G. H. Haskins.	do.		1, 828		
25	Aug. Hind.	Danville		2, 496		
26	Jacob Thompson	Grape Creek		2, 200		
27	S. Royce.	Danville		1, 600		
28	S. C. Bryant	Grape Creek		2, 000		
29	Crawford & Son.	Collison		2, 000		
30	F. Woodward	Fairmount		1, 000		
31	S. Thomas	Catlin		861		

Vermilion County—Fifth District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	304,178	\$288,969	298,398	.....	.....	5,780	225	304,178	275	116	391	1
.....	301,810	283,701	298,010	.....	.....	3,800	226	292,810	250	107	357	2
.....	254,345	230,057	252,465	.....	200	1,680	240	173,085	215	122	337	3
.....	182,310	198,087	174,591	.....	519	7,200	216	182,310	192	118	310	4
.....	157,050	149,198	150,032	.....	4,206	2,812	112	157,050	205	93	298	5
.....	174,111	117,805	107,013	.....	518	6,580	141	73,950	191	84	275	6
.....	81,292	93,486	79,755	.....	157	1,380	252	81,292	85	42	127	7
.....	56,052	53,249	56,052	.....	.....	8,002	111	56,052	75	44	119	8
.....	53,656	49,973	43,243	.....	.....	2,411	100	53,656	120	55	175	9
.....	53,637	61,931	49,505	.....	.....	1,053	148	53,637	83	49	132	10
.....	46,920	51,612	42,967	.....	.....	2,100	146	46,920	70	37	107	11
925	46,472	53,070	13,693	31,262	728	789	248	46,472	68	28	96	12
.....	44,000	39,600	43,200	.....	6,539	800	250	44,000	50	10	60	13
.....	34,657	35,621	27,500	.....	.....	618	206	34,657	35	16	51	14
.....	33,214	31,221	33,214	.....	13,500	500	210	33,214	80	44	124	15
.....	29,000	30,700	15,000	.....	.....	500	86	29,000	23	7	35	16
.....	25,500	25,500	25,000	.....	.....	500	86	25,500	35	17	35	17
.....	24,590	29,649	23,376	.....	734	480	252	24,590	47	16	63	18
.....	9,815	11,778	9,000	.....	.....	815	85	9,815	35	15	50	19
.....	7,182	8,978	6,892	.....	.....	290	62	7,182	55	20	75	20
.....	1,658	1,078	560	.....	1,098	.....	102	1,658	3	2	5	21
925	1,861,449	\$1,845,963	1,749,466	31,262	39,354	41,367	192	1,731,028	2,192	1,025	3,217	
.....	15,000	\$15,000	.....	.....	15,000	.....	250	15,000	22	5	28	1
.....	15,000	21,000	.....	.....	15,000	.....	255	15,000	15	4	19	2
.....	12,865	12,865	.....	.....	12,865	.....	282	12,865	9	1	10	3
.....	9,000	11,700	.....	.....	9,000	.....	290	9,000	8	1	9	4
.....	8,500	11,075	.....	.....	8,500	.....	250	8,500	15	5	20	5
.....	6,400	8,000	.....	.....	6,400	.....	200	6,400	6	.....	6	6
.....	5,550	5,550	.....	.....	5,550	.....	200	5,550	5	2	7	7
.....	5,000	6,250	.....	.....	5,000	.....	110	5,000	10	.....	10	8
.....	5,000	6,870	.....	.....	5,000	.....	180	5,000	9	3	12	9
.....	4,300	7,325	.....	.....	4,300	.....	180	4,300	3	2	5	10
.....	4,050	5,963	.....	.....	4,050	.....	250	4,050	4	.....	4	11
.....	4,000	4,750	.....	.....	4,000	.....	260	4,000	4	3	7	12
.....	4,000	5,540	.....	.....	4,000	.....	260	4,000	3	2	5	13
.....	4,000	5,500	.....	.....	4,000	.....	160	4,000	13	3	16	14
.....	3,600	4,572	.....	.....	3,600	100	240	3,600	4	1	5	15
.....	3,568	6,422	.....	.....	3,568	.....	248	3,568	7	2	9	16
.....	3,400	5,950	.....	.....	3,400	.....	246	3,400	6	2	8	17
.....	3,056	4,513	.....	.....	3,056	.....	210	3,056	5	1	6	18
.....	3,000	3,000	.....	.....	3,000	.....	200	3,000	5	1	6	19
.....	3,000	5,250	.....	.....	3,000	.....	156	3,000	5	2	7	20
.....	3,000	5,250	.....	.....	3,000	.....	220	3,000	4	2	6	21
.....	3,000	3,750	.....	.....	3,000	.....	200	3,000	4	2	6	22
.....	2,800	3,952	.....	.....	2,800	.....	260	2,800	6	2	8	23
.....	2,742	3,656	.....	.....	2,742	.....	151	2,742	14	4	18	24
.....	2,646	3,884	.....	.....	2,646	.....	220	2,646	3	1	4	25
.....	2,450	3,000	.....	.....	2,450	.....	180	2,450	4	.....	4	26
.....	2,200	3,000	.....	.....	2,200	.....	200	2,200	3	1	4	27
.....	2,000	2,500	.....	.....	2,000	.....	220	2,000	3	2	10	28
.....	2,000	3,000	.....	.....	2,000	.....	200	2,000	3	2	10	29
.....	1,200	1,700	.....	.....	1,200	.....	200	1,200	4	1	5	30
.....	1,017	1,447	.....	.....	1,017	.....	215	1,017	3	.....	3	31

Vermilion County—Fifth District—1906—Continued.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES—Concluded.							
32	S. M. Hodge & Son	Danville		1,000			
33	J. E. Mueller	Catlin		780			100
34	B. H. Spangler	Danville		600			200
35	Ben R. Beddow	do.		790			
36	L. E. Baker	Oakwood		300			
37	H. Young	Danville	200				
38	Wilkinson & Gay	Grape Creek ..		92			
Totals			44,065	82,275			25,046
Totals—59 mines			1,477,531	336,016	45,356	37,865	115,142

Mines reported for 1906, 65.
 New mines, 5.
 Abandoned mines, 12.
 Mines in 1906, 59.

Vermilion County—Fifth District—Concluded.

In Tons.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYEES.			
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Average number of miners.			All other employes.	Total.	Number.	
.....	1,000	\$ 1,500	.....	.....	1,000	.....	180	1,000	3	3	6	32
.....	860	1,088	.....	.....	860	.....	160	860	3	1	4	33
.....	800	1,100	.....	.....	800	.....	200	800	3	3	6	34
.....	790	988	.....	.....	790	.....	240	790	2	1	3	35
.....	300	450	.....	.....	300	.....	100	300	1	.....	1	36
.....	200	350	.....	.....	200	.....	150	200	4	2	6	37
.....	92	138	.....	.....	92	.....	10	92	3	.....	3	38
.....	151,386	\$198,058	.....	.....	151,286	100	207	151,386	234	66	300	
925	2,012,835	\$2,043,921	1,749,466	31,262	190,640	41,467	.....	2,012,835	2,426	1,091	3,517	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Macon	5	82,793	119,283	.....	21,931	38,999	3,877	266,883	\$0.6385	\$0.5429
Vermilion	21	1,433,466	253,741	45,356	37,865	90,096	925	1,861,449	0.5213	0.45
Totals and av	26	1,516,259	373,024	45,356	59,796	129,095	4,802	2,128,332	\$0.5315	\$0.4913

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Edgar	2	.....	3,300	.....	.....	.....	.....	3,300	\$0.55	.....
Vermilion	38	44,065	82,275	.....	.....	25,046	.....	151,386	0.5491	.....
Totals and av	40	44,065	85,575	.....	.....	25,046	.....	154,686	\$0.5491	.....
Totals, district—all mines.....	66	1,560,324	458,599	45,356	59,796	154,141	4,802	2,233,018	.....	.....

Counties—Fifth District.—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
195	162,258	104,625	\$1.258	\$1.5783	.....	\$1.0252	\$0.529	\$0.4236	290	176	466
192	1,731,028	130,421	0.9759	1.1875	\$1.1444	1.1199	0.5566	1.15	2,192	1,025	3,217
193	1,893,296	235,046	\$0.9913	\$1.313	\$1.1444	\$1.0851	\$0.5433	\$0.564	2,482	1,201	3,683

Counties—Fifth District.—1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
95	3,300	.....	.....	\$1.00	.....	.....	.....	.....	9	5	14
207	151,386	.....	\$1.1128	1.5427	.....	.....	\$0.8921	.....	234	66	300
201	154,686	.....	\$1.113	\$1.522	.....	.....	\$0.8921	.....	243	71	314
.....	2,047,972	235,046	.....	.....	.....	.....	.....	.....	2,725	1,272	3,997

SIXTH INSPECTION DISTRICT, 1906.

FIRST ANNUAL REPORT.

Counties—Brown, Cass, Morgan, Logan, Menard, Sangamon, Schuyler.

FRANK J. CAMPBELL, *Inspector*, Springfield.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois:

SIR—In compliance with the statute of the State, defining the duties of the State inspectors of coal mines, I have the honor to submit herewith the first annual report of the sixth inspection district. The counties of this district in which coal is produced are Brown, Cass, Logan, Menard, Sangamon, Schuyler.

The following summary shows the principle items which are contained in the tabulated schedules:

Number of mines.....	83
Number of new mines.....	6
Number of abandoned mines.....	5
Number of shipping mines.....	49
Number of local mines.....	34
Total tons of coal produced, all grades.....	5,160,607
Total tons of mine run coal.....	1,437,204
Total tons of lump coal.....	2,273,820
Total tons of egg coal.....	136,701
Total tons of nut coal.....	199,783
Total tons of pea or screenings coal.....	918,156
Total tons of slack or waste coal.....	194,943
Total tons on cars for shipment.....	4,493,078
Tons supplied to locomotives.....	129,877
Tons sold to local trade.....	333,162
Tons consumed and wasted at mines.....	204,490
Tons mined by hand.....	4,679,894
Tons mined by machine.....	480,713
Average number of days of operation,, shipping mines.....	181
Number of mines using machines.....	3
Number of machines in use.....	27
Number of machines operated by electricity.....	27
Number of miners.....	5,363
Number of other employes underground.....	1,567
Number of boys underground.....	203
Number of employes on surface.....	723
Total number of employes.....	7,856
Aggregate value of total product of mines.....	\$5,069,953
Number of fatal accidents.....	15
Number of wives made widows.....	15
Number of children left fatherless.....	15
Number of non-fatal accidents.....	53
Number of tons mined to each fatal accident.....	47
Number of tons mined to each non-fatal accident.....	344,040
Number of persons employed to each fatal accident.....	109,800
Number of persons employed to each non-fatal accident.....	524
Ratio of persons killed to each 1,000 persons employed.....	167
Number of kegs of powder used in blasting.....	1.9
Quantity of dynamite used, pounds.....	215,223
Average value per ton, mine run coal, at the mine, shipping mines.....	1.555
Average value per ton, lump coal, at the mine, shipping mines.....	\$0.966
	\$1.22

Average value per ton, egg coal, at the mine, shipping mines.....	\$1.05
Average value per ton, nut coal, at the mines, shipping mines.....	\$0.998
Average value per ton, pea or screenings coal, at the mines, shipping mines.....	\$0.518
Average value per ton, slack or waste coal, at the mines, shipping mines....	\$0.828

The redistricting of the State forming ten coal mine inspection districts instead of seven, which went into effect July 1, 1905, made a complete change in the counties formerly composing the sixth district. The counties now forming the sixth district are Cass, Menard and Schuyler, transferred from the old third district, Logan from the fourth, and Brown and Sangamon from the fifth.

The following table presents the output of these counties for the two years, 1905 and 1906, with the increase and decrease in tonnage:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905.	1906.		
Brown	1,606	1,694	88	.....
Cass	2,590	750	.....	1,840
Logan	384,288	450,127	65,839	.....
Menard	448,433	536,273	87,840	.....
Sangamon	4,395,060	4,155,431	.....	239,619
Schuyler	21,470	16,532	.....	5,138
Totals	5,253,437	5,160,607	153,767	246,597

Net total decrease, 92,830.

The output of Logan county shows an increase of 65,839 tons or 17.13 per cent, Menard an increase of 87,840 tons or 19.59 per cent, while Sangamon shows a decrease of 239,619 tons or 5.45 per cent. These are the large coal producing counties in this district.

NEW MINES.

The Mechanicsburg Coal Co., Mechanicsburg, Sangamon county, has sunk a shaft, the dimensions of which are 7 by 14 feet; the air shaft is not quite completed, it is the same size as the hoisting shaft. This mine is equipped with a pair of Litchfield engines 30 by 36 inches, the drum is 7 feet in diameter. The engine room is 28 by 32 feet, constructed of brick. There are two boilers, manufactured at Erie, Pennsylvania, 6 by 18 feet, each containing 68 3-inch tubes. The boiler room is 32 by 52 feet. The mine is also equipped with Duncan shaker screens and cages. The surface construction is fairly substantial throughout.

The Spring Creek Coal Co. has sunk a shaft two and one-half miles west of Springfield, Sangamon county, on the line of the B. & O. S.-W. R. R. The main shaft is 8 by 14 feet, the escapement shaft is 8 by 13 feet equipped with a substantial stairway. The fan is 20 feet, homemade. The hoisting engines are of the Aetna make 20 by 36 inches. The drum is 5 feet 7 inches in diameter, and is equipped with a steam brake. There are two boilers made at the Drake boiler works, Springfield. They are 5 by 14 feet, containing 52 4-inch tubes in each. The mine is also equipped with Duncan shaker screens and cages. The plant is substantially constructed throughout and presents a very fine appearance.

The Littleton Coal Co., Macomb, McDonough county, has sunk a shaft at Littleton, Schuyler county. The dimensions are 6 feet 6 inches by 11 feet. The escapement shaft is 4 by 4 feet with a substantial stairway. The fan is 10 feet in diameter. The hoisting engine is second motion, and was built at Ottumwa, Iowa. There are two tubular boilers 40 inches by 12 feet. The mine is worked at present by the long-wall system. The mine is of small capacity.

A new mine is being sunk at Tallula, Menard county, which is intended for the local trade.

Another local mine is being sunk about two miles north of Richland, Sangamon county, it is now down about 100 feet.

IMPROVEMENTS.

The Springfield Coal Mining Co. has installed a new homemade fan 20 feet in diameter at its No. 3 mine; also one of like pattern and dimensions at its No. 5 mine, Springfield. At the No. 5 mine the company has also erected a fine new steel tower, and tippie to replace the wooden one which was burned down last March.

The Lincoln Coal Co., Lincoln, Logan county, has retimbered the escape shaft of its mine for a distance of 70 feet from the top. The company has also put in new shaker screens and bins, and are now making four grades of coal.

The West End Coal Co., Springfield, has erected a new frame tower and also put in new Duncan cages, self-dumping.

The Latham Coal Co., Lincoln, Logan county, has replaced its old hoisting engines with a very fine pair of Litchfield engines. These engines are equipped with a steam brake and also with a self-acting attachment to prevent overwinding. The engines are 24 by 40 inches, the drum 8 feet in diameter.

CHANGES OF CORPORATE NAMES.

The Peabody Coal Mining Co., Sherman, Sangamon county, changed its corporate name and is now known as the Illinois Midland Coal Co.

The Lincoln Coal Co., Lincoln, Logan county, has changed its title to the Lincoln Mining Co.

FATAL ACCIDENTS.

The following gives a detailed account of the fatal accidents which have occurred in the sixth inspection district during the year ending June 30, 1906:

August 17, 1905. Levi Trowe, shot firer, aged 46 years, married, was killed by flying coal from a shot, at the Springfield Coal Mining Co.'s No. 1 mine, Riverton. Deceased thinking the shot had missed fire was returning to relight it when the shot exploded. He leaves a widow and three children.

September 9, 1905. Adam Emlg, shot firer, aged 46 years, married, was killed by flying coal from a shot at the Springfield Coal Mining Co.'s No. 1 mine. He was in the act of returning to the shot, which he supposed had missed fire, when the shot exploded, injuring him so that he died in a few minutes. He leaves a widow and nine children.

September 29, 1905. William Krueger, shot firer, aged 45 years, married, was killed by flying coal at the Sangamon Coal Co.'s mine No. 2. Deceased and his partner, Thomas Bambrough, had lighted two squibs, one a gas, the other sulphur, and had withdrawn to a safe place. One squib, afterwards shown to be the sulphur, fired on time, the gas squib hung, and after waiting a time considered long enough to cover any danger, the two men went into the working place. Krueger was ahead, the shot exploding when he was within a few feet of it. He leaves a widow and one child.

October 11, 1905. Dan Mitchelson, shot firer, aged 50 years, married, was killed by flying coal from a shot at the Wabash Coal Co.' mine No. 2, Athens. He was returning to relight a shot which was supposed to have gone out. When about 30 feet from the face it exploded, with its fatal effect. He leaves a widow and four children.

October 12, 1905. Paul Pouse, shot firer, 36 years old, married, was killed by the premature explosion of a shot in the mine of the Latham Coal Co., Lincoln, Logan county. It is supposed that while tamping the shot he struck some sulphur in the hole causing the ignition of the powder. He leaves a widow and four children.

October 30, 1905. John Green, miner, aged 59 years, married, was killed by falling slate in the coal mine at Salisbury, Sangamon county. It was the first day that deceased had worked in a mine for many years. He leaves a widow and eleven children.

November 10, 1905. George Thomas, miner, aged 45 years, married, was killed by falling slate in an old room in No. 8 mine of the Illinois Collieries Co., Springfield, Sangamon county. He leaves a widow and two children.

November 18, 1905. Bert Hurley, driver, aged 19 years, single, was killed in the Standard Washed Coal Co.'s mine, Bissel, Sangamon county. He fell from the car and was run over.

December 2, 1905. William Walker, cager helper, aged 19 years, employed at the Madison Coal Co.'s mine, Divernon, was caught between loaded cars at the bottom of the shaft, breaking his leg, from the effects of which he died in about two hours.

January 10, 1906. Alexander Tarkeas, miner, aged 43 years, married, was killed by falling slate while drilling a hole in his room in the Illinois Midland Coal Co.'s mine, Pawnee, Sangamon county. He leaves a widow and four children.

January 29, 1906. Thomas McGee, shot firer, was killed in the Illinois Midland Coal Co.'s mine at Sherman, by an explosion of gas and dust, caused by a blown-out shot. The hole was not properly placed. He leaves a widow and one child.

January 29, 1906. Fred W. Casey, shot firer, aged 25 years, married, was killed in the Illinois Midland Coal Co.'s mine at Sherman, by an explosion of gas and dust from a blown-out shot. The shot was not properly placed. Casey and his partner, McGee, were found dead on the entry at the mouth of the room in which the explosion took place. He leaves a widow and one child.

March 7, 1906. W. C. Parsons, shot firer, aged 44 years, married, was killed in the Springfield Coal Mining Co.'s mine No. 2 at Riverton, by flying coal from a shot. He and his partner had separated so it is not known whether he was returning to the shot or not. He leaves a widow and four children.

March 27, 1906. Thomas Archer, miner, aged 49 years, married, was killed in the Wabash Coal Co.'s mine No. 1, at Dawson, Sangamon county. While loading his car a large lump of coal fell over on him, smashing his head. He leaves a widow and five children.

May 15, 1906. James Harrison, shot firer, aged 50 years, married, was killed in the Middletown Coal Co.'s mine at Middletown, Logan county. He had lighted a shot in room No. 11 and then went to room No. 12. While preparing a shot in room No. 12 the shot in room No. 11 exploded, blowing through the rib and hit him. He leaves a widow and three children.

Accompanying this will be found the tables of the fatal and non-fatal accidents, as well as the county tables.

Respectfully submitted,

FRANK J. CAMPBELL,

State Inspector of Mines, Sixth District, Springfield, Illinois.

Fatal Casualties—Sixth District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widow.	Children.	Single.	Persons dependent.	Cause of Accident.
1905										
Aug. 17	Levi Trowe.....	46	Shot firer...	Riverton.....	1	1	5		4	Flying coal.....
Sept. 9	Adam Emig.....	56	do.....	Springfield....	1	1	9		4	do.....
29	Wm. Krueger.....	45	do.....	do.....	1	1			1	do.....
Oct. 11	Dan Mitchelson...	50	do.....	Athens.....	1	1	4		4	do.....
12	Paul Pause.....	36	do.....	Lincoln.....	1	1	4		5	Premature expl. shot
30	John Green.....	59	Miner.....	Salisbury.....	1	1	11		5	Falling slate.....
Nov. 10	George Thomas....	45	do.....	Virden.....	1	1	2		3	do.....
18	Bert Kurley.....	19	Driver.....	Bissel.....				1		Fell from car.....
Dec. 2	William Walker....	18	Cager.....	Divernon.....					1	Pit cars.....
1906										
Jan. 10	Alex Torkeas.....	43	Miner.....	Pawnee.....	1	1	4		5	Falling clod.....
29	Thomas McGee.....	48	Shot firer...	Sherman.....	1	1	1		2	Gas and dust explos'n
29	Fred W. Casey.....	25	do.....	Springfield....	1	1	1		2	do.....
Mar. 7	W. C. Parsons.....	44	do.....	Riverton.....	1	1	4		3	Flying coal.....
27	Thos. Archer.....	49	Miner.....	Dawson.....	1	1	5		3	Falling coal.....
May 15	James Harrison....	50	Shot firer...	Middleton....	1	1	3		4	Flying coal.....
	Total.....				13	13	53	2	46	

Recapitulation of Fatal Casualties—Sixth District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Athens.....	1	Cager.....	1	Falling clod.....	1	Clear Lake.....	1
Bissel.....	1	Driver.....	1	Falling coal.....	1	Illinois Collieries Co.	1
Dawson.....	1	Miner.....	4	Falling slate.....	2	Latham Coal Co.....	1
Divernon.....	1	Shot firer.....	9	Flying coal.....	6	Madison Coal Co.....	1
Lincoln.....	1			Fell from car.....	1	Middleton Coal Co.....	1
Middleton.....	1			Gas and dust explos.	2	Salisbury.....	1
Pawnee.....	1			Pit cars.....	1	Sangamon Coal Co.....	1
Riverton.....	2			Premature shot.....	1	Sherman Mine.....	2
Salisbury.....	1					Springfield Coal M'g. Co.	3
Sherman.....	1					Victor Coal Co.....	1
Springfield.....	3					Wabash Coal Co.....	2
Virden.....	1						
Total.....	15		15		15		15

Non-fatal Casualties—Sixth District—July 1, 1906.

ate.	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
905	9 Frank Murray	30	Lincoln	1	1	1	1 Foot crushed, pit car	31
	27 John McGlennon	45	Springfield	1	4	5	5 Body bruised, flying coal	30
	7 David E. Perry	28	do.	1	2	3	3 Leg broken, falling slate	330
	14 Lee Kruger	35	do.	1	1	1	1 Ankle sprained, falling slate	42
	15 Turvey	50	Auburn	1	1	1	1 Leg broken, falling slate	180
	22 Wm. Derendorf	37	Thayer	1	3	4	4 Back hurt, falling rock	60
	26 James Reid	26	Lincoln	1	1	1	1 Leg bruised, chain	30
	11 Henderson Barns	55	Athens	1	7	4	4 Face and body burned, powder explosion	40
	14 Hugh Garvey	17	Lincoln	1	1	1	1 Foot injured, pit car	70
	20 Wm. Norris	35	Springfield	1	1	2	2 Body burned, gas explosion	30
	21 James Lynn	23	Thayer	1	1	1	1 Toes injured, pit cars	30
	21 Mike Crenlon	42	Springfield	1	1	2	2 Body burned, gas explosion	60
	7 William Smith	28	do.	1	1	1	1 Shoulder blade broken, cage	42
	16 Wm. Fainguert	35	Cantrall	1	4	5	5 Body injured, falling coal	40
	17 Peter Sembretto	33	Thayer	1	1	1	1 Head cut, flying coal	30
	17 Wm. McCall	17	do.	1	1	1	1 Fingers cut off, pit car	35
	18 Samuel Rose	28	Springfield	1	1	1	1 Foot bruised, falling coal	50
	23 James Tiernan	57	do.	1	8	9	9 Body burned, blown out shot	36
	23 Bert Schroyer	35	do.	1	1	1	1 do.	58
	25 John Soznick	32	Pawnee	1	1	2	2 Leg broken, falling coal	90
	29 Ed. Carey	20	Springfield	1	1	1	1 Leg broken, electric motors	94
	4 Henry Brant	35	Ridgely	1	3	4	4 Leg brok'n, descending cage	40
	4 Philip Coats	50	do.	1	3	4	4 do.	190
	4 Stiney Laskis	35	do.	1	1	1	1 Leg and body bruised, descending cage	50
	4 Michael Kasper	28	do.	1	2	3	3 Leg fractured, descending cage	30
	4 Joseph Kasper	30	do.	1	1	2	2 Foot broken, descending cage	90
	5 S. T. Carroll	22	Auburn	1	1	1	1 Arm broken, chute lever	68
	20 Joe Jerrick	18	Lincoln	1	1	1	1 Ankle and knee fractured, pit car	32
906	2 Peter Esper	21	Spaulding	1	1	1	1 Toes bruised, pit car	30
	3 Frank Rushels	28	Springfield	1	1	1	1 Body burned, premature blast	68
	10 Adam Young	20	do.	1	1	2	2 Head cut, pit car	47
	19 Pete Bellanti	28	Keys	1	1	2	2 Body bruised, pit car	30
	24 Fred Larenzetti	19	Auburn	1	1	1	1 Leg and arm broken, falling from car	30
	26 John Cawley	59	Springfield	1	8	9	9 Leg broken, falling slate	*
	11 Oscar Menzel	20	Lincoln	1	1	1	1 Finger broken, pit car and rib	32
	5 Carl Wilkie	26	do.	1	1	1	1 Finger crushed, between timbers	30
	9 H. Hollingshead	68	Athens	1	3	1	1 Leg broken, falling slate	*
	20 M. C. O'Laughlin	31	Petersburg	1	1	2	2 Body bruised, falling from car	50
	5 John McLaughlin	20	Auburn	1	1	1	1 Leg and ankle injured, pit car	40
	14 Jas Sure	25	Divernon	1	1	1	1 Finger bruised, pit car	30
	21 John Cass	44	Springfield	1	6	7	7 Leg dislocated, elec. motor	30
	26 G. Andras	30	Divernon	1	1	1	1 Finger cut off, coal falling down shaft	30
	10 Ed. Hibbalt	35	Greenview	1	1	1	1 Body burned, powder explo.	60
	29 Alex Lamb	32	Tice	1	1	1	1 Body burned, blown out shot	40
	31 John Evens	59	Bissell	1	3	2	2 Leg broken, falling coal	*
	20 James L. Barger	35	Springfield	1	1	1	1 Body burned, gas explosion	0
	25 Robert Delaney	55	Ridgely	1	1	1	1 Body burned, powder explo.	9
	Totals			23	24	62	80	

*Not recovered July 1, 1906.

Number of men injured	7
recovered July 1, 1906	3
number recovered July 1, 1906	4
Time lost by men recovered, days	2,525
average time lost by men recovered, days	57.39

Recapitulation of Non-fatal Casualties—Sixth District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Athens.....	2	Cager.....	1	Blown out shot.....	2	Auburn & Alton Coal Co..	2
Auburn.....	4	Co. man.....	1	Caught between ribs	1	Cantrall Coal Co.....	1
Bissell.....	1	Drivers.....	13	Chain.....	1	Chic. Wilm. & V. Coal Co.	4
Cantrall.....	1	Laborer.....	1	Chute lever.....	1	Citizens' Mine.....	1
Divernon.....	2	Miners.....	22	Descending cage.....	6	Clear Lake.....	1
Greenview.....	1	Pit boss.....	1	Falling coal.....	4	Divernon.....	2
Keys.....	1	Shot firers.....	4	Falling clod.....	1	Greenview.....	1
Lincoln.....	6	Timbermen.....	2	Falling rock.....	1	Illinois Collieries Co.....	10
Pawnee.....	1	Trappers.....	2	Falling slate.....	5	Jefferson Mine.....	1
Petersburg.....	1			Fell off car.....	2	Latham.....	4
Ridgely.....	6			Flying coal.....	2	Lincoln.....	1
Spaulding.....	1			Gas explosion.....	3	Mechanicsburg.....	1
Springfield.....	15			Motor.....	2	No. 1.....	1
Thayer.....	4			Pit cars.....	10	O'Gara Coal Co.....	1
Tice.....	1			Powder explosion..	3	Sherman Mine.....	1
				Premature shot.....	1	Spaulding Coal Co.....	1
				Falling from tower.	1	Tice Mine.....	4
				Windy shot.....	1	Tuxhorn Coal Co.....	1
						Victor Coal Co.....	1
						Wabash Coal Co.....	2
						Woodside Coal Co.....	5
Totals.....	47		47		47		47

Showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries.
					Total days.	Average days.	
injured.....	1	1	.....	1	42	42.00	2.13
broken.....	1	.....	1	1	68	68.00	2.13
injured.....	1	1	.....	4	60	60.00	2.13
injured.....	13	8	5	28	572	44.00	27.66
and body injured.....	1	1	.....	4	40	40.00	2.13
rs broken.....	2	.....	2	.....	62	31.00	4.25
rs cut off.....	2	.....	2	.....	65	32.50	4.25
r injured.....	1	.....	1	.....	30	30.00	2.13
broken.....	1	1	.....	2	90	90.00	2.13
injured.....	4	1	3	4	198	49.50	8.51
injured.....	1	.....	1	.....	30	30.00	2.13
roken.....	9	7	2	24	924	154.00	19.15
njured.....	5	2	3	10	162	32.40	10.63
nd arm broken.....	1	.....	1	.....	30	30.00	2.13
nd body injured.....	1	.....	1	.....	50	50.00	2.13
der broken.....	1	.....	1	.....	42	42.00	2.13
injured.....	2	1	1	2	60	30.00	4.25
Totals, average and percentage....	47	23	24	80	2,525	57.39	100.00

Brown County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	M. F. Bates.....	Mt. Sterling.....		274			
2	Noal Sheerer.....	Ripley.....		245			
3	Thomas Lewis.....	do.....		240			
4	George Adams.....	Mt. Sterling.....		200			
5	Louis Hetrick.....	do.....		200			
6	Ed Six.....	do.....		190			
7	J. Hetrick.....	Ripley.....		180			
8	J. Howard.....	Mt. Sterling.....		165			
Totals—8 mines.....				1,694			

Mines reported for 1905—6.

New mines, . 2

Mines in 1906—8.

Cass County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	William Shore.....	Chandlerville.. ..		600	.....		150

Mines reported for 1905, 2.

Abandoned mines—1.

Mines in 1906, 1.

Brown County—Sixth District—Concluded.

Tons.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employés.	Total.	
274	274	\$548			274		125	274	2		2	1
245	245	490			245			245	2		2	2
240	240	480			240			240	1		1	3
200	200	400			200			200	1		1	4
200	200	400			200		100	200	2		2	5
190	190	475			190		250	190	1		1	6
180	180	360			180			180	1		1	7
165	165	330			165			165	1		1	8
1,694	1,694	\$3,483			1,694		158	1,694	11		11	

Cass County—Sixth District—Concluded.

Tons.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employés.	Total.	
750	750	\$1,613			750		225	750	3	1	4	1

Logan County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Latham Coal Co	Lincoln	82,628	102,337	11,546	23,460	25,666
2	Citizens' Coal Mining Co., No. 1	do.	30,775	40,980	.....	8,012	31,585
3	Lincoln Mining Co., No. 1	do.	22,000	26,500	.....	9,400	9,200
4	Home Coal Co.....	Mt. Pulaski .....	.....	8,571	1,351	1,532	1,103
Totals			135,403	178,388	12,897	42,404	67,554

Mines reported for 1905, 4.

Mines in 1906, 4.

Logan County—Sixth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Sluck or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employés.	Total.	
2,248	247,885	\$211,030	236,478	.....	9,159	2,248	200	247,885	250	100	350	1
1,595	112,857	101,210	68,819	25,267	11,454	7,317	191	112,857	98	75	173	2
8,000	75,100	81,863	53,818	.....	16,000	5,282	170	75,100	60	50	110	3
1,728	14,285	18,394	4,263	.....	8,702	1,320	.....	14,285	29	13	42	4
13,481	450,127	\$412,497	363,378	25,267	45,315	16,167	187	450,127	437	238	675	

Menard County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Greenview Coal Mining Co., No. 1..	Greenview	83,201			3,428	11,872
2	Athens Mining Co., No. 2.....	Athens	44,975	34,964		4,702	14,863
3	Wabash Coal Co., No. 2.....	do.	37,075	36,602		4,779	10,285
4	Middletown Coal Co., No. 1.....	Middletown	55,361			1,589	9,160
5	Tallula Coal Co., No. 1.....	Tallula	23,689	8,780			3,837
6	Petersburg Coal Mining Co., No. 1..	Petersburg	13,289	13,140		4,578	5,889
7	South Mountain Coal Co., No. 1.....	do.	12,724	11,041	556	4,470	
8	People's Coal Mining Co., No. 1.....	Tice	8,951	11,646		2,359	5,587
9	Manchester C. Co., Junction mine...	Petersburg	15,690	500			
Totals			211,754	199,874	556	25,905	61,508
LOCAL MINES.							
1	C. F. Johnson.....	Middletown	5,000				
2	Arthur Wainwright	Sweetwater	2,455			405	
3	Peter Becker	Tallula	2,350			55	
4	Brandt & Waller	Petersburg	1,500			500	
5	John Milligram	do.	1,100			900	
6	F. C. Tazer	Tice	800			128	
7	John W. Milligram	Petersburg	686				
Totals			13,891			1,988	
Totals—16 mines			211,754	213,765	556	27,893	61,508

Mines reported for 1906, 16.

Mines in 1906, 16.

Menard County—Sixth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
8,630	107,131	\$117,897	93,141	.....	5,461	8,529	221	107,131	100	37	137	1
2,582	102,091	103,828	96,448	.....	3,061	2,582	219	102,091	87	37	124	2
3,600	92,341	97,124	87,148	.....	1,593	3,600	155	92,341	95	54	149	3
2,100	68,210	71,670	62,816	.....	3,294	2,100	221	68,210	65	34	99	4
730	37,036	38,639	20,806	.....	15,500	730	265	37,036	40	13	53	5
.....	36,896	36,851	32,886	.....	2,610	1,400	220	36,896	33	19	52	6
2,055	30,846	29,967	21,460	2,822	5,469	1,095	181	30,846	41	22	63	7
.....	28,553	34,895	27,675	.....	254	624	239	28,553	30	13	43	8
1,100	17,290	15,171	15,690	.....	500	1,100	160	17,290	25	12	37	9
20,797	520,394	\$546,042	458,070	2,822	37,742	21,760	209	520,394	516	241	757	
.....	5,000	\$7,500	.....	.....	5,000	.....	.....	5,000	5	2	7	1
.....	2,860	4,903	.....	.....	2,725	135	.....	2,860	4	2	6	2
.....	2,405	4,195	.....	.....	2,405	.....	225	2,405	3	.....	2	3
.....	2,000	3,125	.....	.....	2,000	.....	180	2,000	3	1	4	4
.....	2,000	3,100	.....	.....	2,000	.....	150	2,000	6	2	8	5
.....	928	1,528	.....	.....	928	.....	154	928	3	2	5	6
.....	686	1,372	.....	.....	686	.....	70	686	4	2	6	7
.....	15,879	\$25,724	.....	.....	15,744	135	156	15,879	27	11	38	
20,797	536,273	\$571,766	458,070	2,822	534,863	21,895	.....	536,273	543	252	795	

Sangamon County—Sixth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Chicago, Wil. & Ver. Coal Co. No. 1.	Thayer.....	864	62,961	80,853	.....	99,331
2	Madison Coal Co. No. 6.	Divernon.....	268	153,387	8,553	774	73,661
3	Springfield Coal M. Co., No. 2.	Riverton.....	16,136	148,800	60	9,114	34,815
4	Illinois Midland C. Co., Victor mine	Pawnee.....	42,057	86,980	11,461	954	69,453
5	Springfield Coal M. Co., No. 5.	Springfield.....	8,025	127,650	.....	4,952	31,273
6	Illinois Collieries Co. No. 8.	do.....	93,809	41,885	.....	9,398	32,382
7	Capital Coal Co., No. 2.	do.....	30,000	82,623	8,025	14,178	12,652
8	Illinois Midland Coal Co.	Sherman.....	125,071	19,864	4,000	2,575	13,418
9	Illinois Collieries Co., No. 2.	Auburn.....	30,163	80,199	.....	2,954	47,404
10	Springfield Coal M. Co., No. 4.	Springfield.....	77,531	78,912	.....	.....	11,921
11	Woodside Coal Co.	do.....	113,694	18,925	.....	7,570	11,355
12	Springfield Coal Mining Co. No. 1.	Riverton.....	6,114	106,833	.....	304	12,878
13	Tuxhorn Coal Co.	Keys.....	33,110	67,835	.....	.....	31,611
14	Springfield Coal Mining Co. No. 3.	Starnes.....	65,731	45,646	.....	2,729	9,797
15	Chicago-Springfield Coal Co.	Springfield.....	50,057	43,858	533	13,989	17,021
16	West End Coal Co.	do.....	.....	68,007	.....	12,376	18,972
17	Auburn & Alton Coal Co.	Auburn.....	44,333	60,148	.....	.....	12,159
18	Citizen's Coal Mining Co., "A"	Springfield.....	33,760	44,218	4,700	.....	30,331
19	Sangamon Coal Mining Co., No. 2.	do.....	24,248	62,694	.....	3,033	24,732
20	Standard Washed Coal Co., No. 2.	Bissell.....	11,444	59,837	3,312	5,003	26,173
21	Williamsville Coal Co.	Selbytown.....	21,590	58,721	502	1,307	20,073
22	Cantrall Co-operative Coal Co.	Cantrall.....	52,582	29,902	.....	4,664	10,645
23	O'Gara Coal Co.	Springfield.....	38,628	32,977	.....	.....	17,431
24	Barclay Coal & Mining Co.	Barclay.....	.....	49,127	.....	6,002	31,000
25	Wabash Coal Co. No. 1.	Dawson.....	18,665	37,760	.....	12,606	13,605
26	Black Diamond Coal Co.	Auburn.....	40,326	27,460	750	600	13,605
27	Standard Washed Coal Co., No. 1.	Spaulding.....	6,017	56,574	.....	.....	15,888
28	Springfield Co-operative Coal Co.	Springfield.....	10,300	43,700	.....	.....	21,300
29	Citizen's Coal Mining Co., "B"	do.....	14,118	31,640	254	2,891	14,969
30	Cora Coal Co.	Andrews.....	18,350	6,407	245	2,766	3,494
31	Jones & Adams Coal Co.	Springfield.....	2,685	19,032	.....	1,480	9,530
32	Springfield Colliery Co.	do.....	17,694	7,299	.....	.....	4,360
33	Mechanicsburg Coal Co.	Mechanicsburg.....	2,719	.....	.....	.....	.....
34	Spring Creek Coal Co.	Springfield.....	12,326	2,504	.....	.....	1,919
35	Illinois Collieries Co.	Chatham.....	906	7,760	.....	.....	3,479
Totals.....			1,063,021	1,867,125	123,248	122,219	789,094
LOCAL MINES.							
1	Lincoln Park Coal Co.	Springfield.....	17,290	.....	.....	5,183	.....
2	Robert Crichton.....	Berlin.....	3,500	.....	.....	1,500	.....
3	Trutter Coal Co.	Pleasant Pl'ns	1,560	.....	.....	.....	.....
4	Cronister & Davis.	Salisbury.....	840	.....	.....	.....	.....
5	M. U. Whitehurst.....	do.....	836	.....	.....	.....	.....
Totals.....			24,026	.....	.....	6,683	.....
Totals—40 mines.....			1,087,047	1,867,125	123,248	128,902	789,094

Mines reported for 1905—36.

New mines, 4.

Mines in 1906—40

Sangamon County—Sixth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.		
Slick or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.
	244,009	\$195,587	234,724		1,870	7,415	135		265	148	413
4,507	241,150	225,342	230,746		3,242	7,162	133	4,446	200	134	344
27,229	236,157	227,730	225,701			10,456		236,157	200	90	290
	210,904	191,374	189,759	1,866	6,821	3,458	177	210,904	189	74	263
16,580	188,480	185,671	167,473		14,427	6,500		188,480	170	69	239
	177,474	178,490	168,459		1,456	7,559	140	177,474	198	126	324
18,728	166,206	165,002	83,956	15,930	47,592	18,728	220	166,206	175	68	243
	164,928	155,681	160,713		127	4,088	207	164,928	137	62	199
2,219	162,939	161,089	157,077		1,307	4,555	113	162,939	91	287	9
	168,364	174,309	134,328		14,413	19,623		168,364	120	54	174
17,744	151,544	149,077	102,263	33,847	11,560	3,874	228	151,544	138	66	204
	143,873	146,044	129,973	728	4,757	8,415		143,873	135	62	197
7,404	132,556	139,600	129,302		1,585	1,669	261	132,556	118	44	162
5,210	131,307	126,796	127,010		204	4,093		131,307	118	58	176
17,322	130,608	123,980	124,909		549	5,210	209	130,608	105	60	165
	116,677	143,364	68,885	11,242	31,270	5,280	197	116,677	120	45	165
1,877	116,640	124,578	108,778		4,942	2,920	190	116,640	112	46	158
	114,896	116,598	90,593	19,895	2,529	1,879	165	114,896	115	31	146
	114,767	109,047	108,910		3,017	2,840	143	114,767	142	46	188
1,600	107,369	101,100	104,968		801	1,600		107,369	110	35	145
3,540	100,733	103,553	94,370		2,827	3,536	175	100,733	100	30	130
1,595	99,388	104,250	78,482	18,280	1,031	1,595	202	99,388	88	48	136
3,650	92,686	90,832	87,525		1,511	3,650	142	92,686	100	40	140
5,113	91,242	84,816	84,241		1,211	5,790	179	91,242	95	42	137
17,411	86,442	82,761	81,249		2,271	2,922	146	86,442	83	49	132
1,123	83,864	80,412	81,258		1,483	1,123	183	83,864	78	39	117
1,600	80,079	78,135	76,454		2,025	1,600		80,079	105	34	139
300	75,800	71,880	51,000		20,100	4,700	160	75,800	130	38	168
2,027	65,899	69,919	62,962		908	2,029	109	65,899	118	28	146
2,000	33,262	31,256	30,656		606	2,000	153	33,262	40	17	57
498	33,225	32,734	30,021		611	2,593	87	33,225	91	65	156
538	29,891	28,113	27,731			2,160	138	29,891	70	55	125
	2,719	2,719	1,390		500	900	147	2,719	23	9	32
	16,749	16,858	16,233		209	307	88	16,749	44	20	64
	11,845	14,671	8,529		1,527	1,789	139	11,845	15	13	28
160,015	4,124,722	\$4,008,968	3,669,547	101788	189,289	164,098	169	3,644,009	4,243	1,946	6,189
	22,473	\$30,774			21,916	557	93	22,473	45	25	70
	5,000	11,375			4,520	480	200	5,000	8	4	12
	1,560	3,120			1,160	400	90	1,560	6	6	12
	840	1,470			840		150	840	5	2	7
	836	1,463			593	243	152	836	3	1	4
	30,709	\$48,202			29,029	1,680	137	30,709	67	38	105
160,015	4,155,431	\$4,057,175	3,669,547	101788	218,318	165,778		3,674,718	4,310	1,984	6,294

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Logan	4	135,403	178,388	12,897	42,404	67,554	13,481	450,127	\$0.5644	.....
Menard	9	211,754	199,874	556	25,905	61,508	20,797	520,394	0.527	.....
Sangamon	35	1,063,021	1,867,125	123,248	122,219	789,094	160,015	4,124,722	0.52	\$0.45
Schuyler	1	.....	2,083	.....	.....	.....	450	2,533	1.00	.....
Totals and av....	49	1,410,178	2,247,470	136,701	190,528	918,156	194,743	5,097,776	\$0.5254	\$0.45

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Brown	8	.....	1,694	.....	.....	.....	.....	1,694	\$1.299	.....
Cass	1	.....	600	.....	150	.....	.....	750	1.00	.....
Menard	7	.....	13,891	.....	1,988	.....	.....	15,879	0.7463	.....
Sangamon	5	24,026	.....	.....	6,683	.....	.....	30,709	0.5257	.....
Schuyler	13	3,000	10,165	.....	434	.....	200	13,799	0.7542	.....
Totals and av....	34	27,026	26,350	.....	9,255	.....	200	62,831	\$0.6118	.....
Totals, district - all mines.....	83	1,437,204	2,273,820	136,701	199,783	918,156	194,943	5,160,607	.....	.....

The Act of the 44th General Assembly creating ten inspection districts in place of seven, gave to this district an entire new list of counties. The counties of Calhoun, Green, Jersey, Macoupin, Montgomery, Morgan and Scott were transferred from the old fifth district, Christian and Shelby from the old fourth.

The following comparative table shows the tonnage of each county with the increase or decrease for the years 1905 and 1906:

COUNTIES.	TOTAL OUTPUT OF ALL GRADES OF COAL— IN TONS.		Increase	Decrease.
	1905	1906		
Calhoun	2,880	3,000	120	
Christian	857,880	836,500		21,380
Greene	14,659	8,016		6,643
Jersey	3,141			
Macoupin	2,530,840	3,341,087	710,247	
Montgomery	468,198	649,839	181,641	
Morgan	4,702	3,048		1,654
Scott	14,876	19,838	5,062	
Shelby	121,212	126,664	5,452	
Totals	4,018,368	4,878,023	859,655	28,987
Net increase			859,655	

The increase in tonnage this year over 1905 comes mainly from the increase in the output of Macoupin and Montgomery counties.

NEW MINES.

J. McLaughlin & Co. have sunk a shaft at Alsey, Scott county, to the No. 1 seam, which is 20 inches thick at that place. This seam has four feet of fire clay lying directly under the coal, and under the clay is about four feet of hard limestone, then 20 feet of good potter's clay. There is a good roof over the whole. The shaft is 8 by 14 feet, 100 feet to the coal. The tower is 56 feet high. The hoisting engines are a pair of 10 by 20 inches geared about five to one; one 50-inch tubular boiler. The boiler and engine house is a substantial building. A 10-foot Crawford & McCrimmon fan is ready to be put in as soon as the air shaft is down. A 6 by 6 inch steam pump, also a feed pump, is ready for use. The coal mined here is expected to be used to convert clay into pottery, brick, tiling, etc., for which purpose the Alsey Tile & Brick Company are now building a plant near the mine.

The Superior Coal Co. has put in operation their No. 3 mine near Gillespie, Macoupin county. The equipment of this mine excels somewhat those of its Nos. 1 and 2 mines.

The Clover Leaf Coal Mining Co., Coffeen, Montgomery county, has put in operation their No. 2 mine, a shaft 11 by 22 feet, 515 feet deep. The shaft is timbered with 8 by 8 inch frames, 4 feet apart, and lagged with 3 inch timber. The coal seam is 7½ feet thick. The tower is built of wood covered with corrugated iron and is 90 feet high. The cages are self-dumping, made by Wm. Ellison, St. Louis, Mo. The capacity of pit cars is 3 tons. The track gauge is 42 inches, the hoisting engines are 36 by 24 inches, also two 150 H. P. boilers. The company is now driving entries to connect with the No. 1 mine for an escapeway and will soon have it completed.

The Shovel Creek Coal Co. of Chicago, have put in operation a mine at Panama, situated on the Clover Leaf railroad about three miles southwest of

Donnellson, Montgomery county. The shafts are 380 feet deep as finished to the bottom of the coal. The hoisting shaft has two hoisting compartments 6 by 9 feet 6 inches in the clear. The buntons are 8 by 8 inches, with an 8-inch partition and 8 by 8-inch guides. A water ring catches the water from the drift from where it is taken by a pipe into the sump. The air shaft has two compartments, one for air 9 by 9 feet 4 inches in the clear; the other is intended for an escapement which is 5 by 9 feet 4 inches in the clear. There is a solid 8-inch partition between these compartments. In the escapement there is a stairway of oak lumber with handrails; the upper part of the air and escapement shaft is surrounded by concrete re-enforced with corrugated iron bars to keep back the water: a pump lodgement is made behind this concrete dam and the water is pumped up for use in the boilers. The concrete lining makes the shaft dry. Both shafts are heavily timbered from top to bottom.

The ventilating fan is a 7 by 12½-foot Capell, guaranteed to furnish 800,000 cubic feet of air per minute with a 5-inch gauge; the fan casing is of brick and steel plate; the fan is nominally a blowing fan, but it is arranged to quick reverse.

The roof of the tunnels and side drift are of re-enforced concrete to avoid all woodwork; the doors are made of heavy steel plate. There is an explosion door immediately over the airway.

The tippie building is a steel tower erected by the Wisconsin Bridge and Iron Company. It is an end wind with shearer 8 feet in diameter. Self-dumping cages are used, the coal being dumped into a larger hopper. The shaking screens, designed by the general superintendent, George R. Rice, were furnished by the Duncan Foundry & Machine Works. They are 8 feet wide and 40 feet long, loading the coal on four tracks. A box car loader will be installed soon, and a washery is now being erected. The raw coal to be washed will be taken from the shaking screens by belt to the top of the washery.

The hoisting engines are 22 by 36 inches. The drum is 8 feet in diameter, and is furnished with two post brakes and a winding device which automatically shuts off the steam and sets the brakes. This, together with the detaching hooks, makes as near a perfect device to prevent over-winding as is possible. In mining the coal is cut entirely by punching machines, of which the company has 20 Sullivan now in operation; also one Sullivan and one Norwalk air compressor. The compressor room is large enough for another compressor, and is built of brick with iron roof trusses, with gravel roofing. The boiler room, immediately adjacent but separated by a brick wall, is also of brick with iron trusses and gravel roofing. It now contains four internally fired boilers and two horizontal tubular boilers, all giving about 700 H. P. The feed water is heated by a Stillwell heater, all of the exhaust from engines and pumps passing through the heater. A generator in the power room furnishes light for the top works, and in the mine immediately near the bottom. The intention is to mine the coal on the panel system of 1,000 foot blocks. When the mine is fully opened out it is expected to produce 2,500 tons per day.

PROSPECTIVE MINES.

The Peabody Coal Co. is sinking a new mine, two miles north of Nokomis, Montgomery county. The escapement shaft is 10 by 15 feet and 630 feet deep, and is now down to the coal, a seam 8½ feet thick. The main shaft is 10 by 26 feet and 8 inches in the clear, and is now down 500 feet. The company intends to make this a model mine. The head frame and guides will be of steel. Two self-dumping cages 9½ by 12 feet will hoist two cars side by side, each car having a capacity of 3½ tons. Ropes will be fastened to the cages with self-detaching hooks. The hoisting engines are 34 by 6 inches with conical drums 7 to 10 feet. There are six boilers 6 by 18 feet having 70 4-inch flues, and a steel smoke stack. The boiler house will be brick, 74 by 48 feet; the engine room, also brick, 48 by 40 feet, with composition roofing and tile coping. The other buildings, such as office, shop, barns, powder house, etc., will be built on the same order. Four 100-ton

sales will be put in, with ten-foot shaker screen and four bar screens; also our weigh baskets. There will be four dead chutes, one receiving chute and one loading apron. Three steel chutes and one engine, necessary for riving the machinery will handle the coal from the cages to the railroad cars. A drag will be put in to convey coal to the boiler house. A Capell an, having a capacity of 300,000 cubic feet of air per minute, will be the entillator. Everything about the plant will be equipped with the latest and est machinery and material, all of which will require an expenditure of at east \$175,000. When the mine is fully opened out it expects to produce 500 tons of coal per day.

The Burnwell Coal Company is sinking a new mine one mile north of Witt, Montgomery county. The company expect to reach the coal at 600 feet. This mine will also be of large capacity.

The White Hall Railway Company, White Hall, Greene county, expect to operate two small coal and clay mines. One shaft is now down, and they are working on the other. It is expected to use the coal to convert the clay into sewer pipe and stoneware.

The Lovington Coal Mining Company, Lovington, Moultrie county, is making slow progress with its shaft on account of the water and sand with which it has to contend.

IMPROVEMENTS.

The following improvements have been made during the year:

All of the mines in this district, where signals are required, have been equipped with either pneumatic or electric signals. Very few, however, have encased the bell wires.

The Royal Colliery Co., Virden, Macoupin county, has made extensive improvements and are still adding more. It has installed an improved Christy box car loader; built a shed 50 by 100 feet over the scales and railroad tracks, framed and covered with galvanized iron; and has also put in a pump so arranged that it can be used both for a boiler feed and fire extinguisher, pipes are laid around the plant for that purpose. In addition to the Robinson fan already in use, a 20-foot Crawford & McCrimmon fan has been erected, so arranged that either or both can be used at the same time. This will insure good ventilation for a long time to come. The fans are built on and are encased in brick and cement. A fire proof building 48 by 30 feet has been built, to be used for carpenter and blacksmith shops; also a granary 40 by 20 feet, with a capacity for 1,000 bushels of corn, 500 bushels of oats, 30 tons of baled hay, with two stalls, harness and feeding space. The company is now erecting a 1,500-ton Stewart washer, and installing two new boilers of 300 H. P. each, especially made for this plant, with smoke stacks and building complete, all painted. In all \$70,000 will be spent on improvements. This will place it among the first class mines of the State.

The O'Gara Coal Co., at its Green Ridge mine, is installing an electric and coal cutting plant, consisting of two 6 by 18 feet Erie boilers, having 70 4-inch flues, one 19 by 18-inch Erie automatic engine, one Morgan-Gardner generator, 150 K. W., 250 volts; one 8-ton traction motor. The engine room has been enlarged, and new boiler house, blacksmith and machine repair shops have been built. Heavy steel rails have been laid in the mine for the motor road. The mine has been wired to run the motor and the Morgan-Gardner chain machine.

The Dering, now the Burnwell Coal Co., Witt, Montgomery county, has installed two new 72-inch boilers, having 70 4-inch flues, 18 feet long, 150 H. P. each. A brick dynamo house has been built, adjoining the engine room on the west, 12 by 24 feet, with one Atlas engine 9 by 14 inches; one 75 Amp., 250 volts, Kester electric dynamo; one fan house frame, concrete foundation; one 20-foot Crawford & McCrimmon fan; one fan engine 12 by 24 inches connected direct to the fan shaft. A blacksmith shop 30 by 50 feet has been built, constructed with clay building blocks; one engine 7 by 10 inches, one root blower, one Ottumwa box car loader, one pair of hoisting engines 24 by 36 inches, and two conical drums 7 to 9 feet.

The Smith Lohr Coal Co., Pana, Christian county, has put up a new head gear; built a very large dynamo room, and installed therein one 175 K. W. machine; changed the track gauge below from 26 to 42 inches, and put in a 10-ton motor for haulage.

The Superior Coal Co. has installed at its No. 1 mine near Gillespie, Macoupin county, one Ingersoll-Sergeant 3-stage high pressure air compressor for the purpose of running two 16-ton H. K. Porter Co.'s locomotives, which they have in the mine. The compressor is capable of compressing air up to a pressure of 11,000 pounds per square inch. This air is carried in triple strength high pressure pipes down the shaft and along the haulage roads, where charging stations are located for the purpose of filling tanks on the locomotives. The track is laid with 50-pound rails, split switches and 50-foot radius curvatures. At present these are the only air locomotives in the State.

The Carlinville Coal Co., Carlinville, Macoupin county, has bought one 100-ton Fairbanks R. R. scales, 72 feet long, to replace the one now in use, which was too short.

ABANDONED MINES.

The Consolidated Coal Co.'s mine at Hornsby, Macoupin county, was abandoned last March. All the machinery and equipment were removed. The coal from this mine was considered among the best going into the St. Louis market.

The Edinburg Coal Co.'s mine, Edinburg, Christian county, was stopped in October, 1905, on account of not having an escapement shaft. The company was hoisting coal out of what used to be the escapement shaft, the main shaft having caved in and was completely closed.

BUSINESS CHANGES.

The Prairie Coal Co., of Chicago, are now operating the mine at Milwood, Macoupin county.

The Dering Coal Co.'s mine No. 25 at Witt, Montgomery county, is changed to the Burnwell Coal Co., and known as mine No. 1.

The Newbent Coal Co.'s north mine at Pana, Christian county, is now operated by the Pana Coal Co., and designated as mine No. 2.

The Springside Coal Co.'s mine at Pana, Christian county, is now owned by the Smith-Lohr Coal Mining Co., Pana.

FATAL ACCIDENTS.

July 17, 1905. Chas. Jenkins, driver, aged 18 years, single, employed in the Illinois Collieries Co.'s mine at Girard, Macoupin county, was killed by being kicked off his seat by his mule, throwing him under the cars.

August 2, 1905. Eli Davidson, miner, aged 63 years, single, and William Corwin, miner, aged 22 years, married, were both killed by an explosion of powder in the Carlinville Coal Co.'s mine, Carlinville, Macoupin county. Davidson was putting powder into a keg from a can when a spark from his lamp fell into the powder, causing an explosion which killed Davidson instantly, and injuring Corwin so badly that he died August 13, following. It is evident that Davidson had his light on his head while he was handling the powder, and doubtless knew that he was violating the mining law in not hanging his light at least five feet away, and in such a position that the air current could not convey the sparks to the powder. I mention this that others may take warning. Corwin leaves a widow and one child.

August 3, 1905. Albert Chaginski, miner, aged 35 years, married, employed in the Green Ridge Coal Co.'s mine, Green Ridge, Macoupin county, was caught under a falling clod at his working face, injuring him, from the effects of which he died August 5 following. He leaves a widow and one child.

August 4, 1905. Noble Harry, timberman, aged 72 years, married, and Engle Bartagnolia, timberman, aged 45 years, married, were both killed

mine No. 1 of the Superior Coal Co., Gillespie, Macoupin county. They were working on an entry timbering when, without any warning, the roof fell on them, killing them instantly. Harry leaves a widow and two grown children; Bartagnolia leaves a widow and four children.

August 21, 1905. Fritz Hollenbeck, miner, aged 19 years, single employed in mine No. 6 of the Consolidated Coal Co., at Staunton, Macoupin county, was caught under falling coal at his working face, killing him instantly.

August 28, 1905. Erastus Bridges, miner, aged 58 years, married, working in the Green Ridge Coal Co.'s mine at Green Ridge, Macoupin county, was drilling out a missed shot (in violation of the mining law) when, for some cause, the shot exploded, killing him instantly. He leaves a widow and one child.

August 28, 1905. John Micka, miner, aged 45 years, single, employed in the Newbent Coal Co.'s mine at Pana, Christian county, was injured by falling coal at his working face, from the effects of which he died August 31 following.

September 5, 1905. Peter Brooks, mine manager, aged 54 years, married, employed by the Stonington Coal Co., Stonington, Christian county, was riding out of the shaft in a sinking bucket, when about 90 feet up from the bottom he fell out of the bucket to the bottom, killing him almost instantly. He leaves a widow and five children.

September 15, 1905. Ledly Handel, mine manager, aged 36 years, married, employed by the Stonington Coal Co., Stonington, Christian county, was being hoisted out of the shaft, together with three other men, on a temporary cage (the mine being in course of equipment); the engineer lost control of the engine and could not stop it until the cage was drawn to the pulleys, crushing Handel between the cage and the pulley timbers. He died before they could get him out. Two of the other three men had jumped off the cage at the surface landing; the other man was taken up to the pulleys. All three received injuries, and are reported in the non-fatal injuries.

September 28, 1905. Joseph Vose, driver, aged 21 years, single, employed in mine No. 1 of the Illinois Collieries Company, at Virden, Macoupin county. Deceased was bringing out his first trip in the morning, and did not notice an empty car which stood on the inside end of the double parting to which he was pulling. He was caught between this car and his trip, crushing him and causing his death that evening.

October 6, 1905. William Sauer, loader, aged 50 years, married, employed in No. 10 mine of the Consolidated Coal Co., Mt. Olive, Macoupin county, was caught under a falling clod at his working face and fatally injured. He died the next day. He leaves a widow and five children.

October 11, 1905. Floyd Palmer, trimmer, aged 18 years, employed at the Penwell Coal Co.'s mine at Pana, Christian county. Deceased was trying to shut off the steam on the elevator engine which was running away, caused by the belt slipping off, when the fly-wheel burst, a piece of which struck Palmer, knocking him out through the building onto the railroad track and fatally injuring him. He died in about four hours.

October 27, 1905. James Gray, miner, aged 27 years, single, employed in mine No. 1 of the Illinois Collieries Co., at Virden, Macoupin county, was loading a car on an entry where electric wires were strung and hanging within eighteen inches of the side of the car. Deceased, in topping the car on the side where the wires were, is supposed to have touched them, as he fell dead into the entry.

November 8, 1905. Paul Nisovitch, top laborer, aged 43 years, employed at the washery of the No. 15 mine of the Consolidated Coal Co., at Mt. Olive, Macoupin county, was caught between the end of a railroad car and the unloader, fatally injuring him, and causing his death two days afterwards. He was a widower and leaves two children.

December 11, 1905. Frank Strusik, miner, aged 23 years, single, employed in mine No. 2 of the Superior Coal Co., Gillespie, Macoupin county, was caught under a falling clod at his working face, receiving injuries from the effects of which he died February 2, 1906.

January 27, 1906. Penly Johnson, driver, aged 17 years, employed at the Royal Colliery Co.'s mine at Virden, Macoupin county, was caught between

a loaded car and a partly opened door, which he was trying to open to let the mule and car go through, and injured, from the effects of which he died February 1, 1906.

February 11, 1906. Nicolas Bonato, sinker, aged 52 years, married, employed by the Peabody Coal Co., Nokomis, Montgomery county, was instantly killed by falling ice in the shaft. For a few days prior to this accident it had been very cold and much ice had accumulated on the sides of the shaft near the top, but on this day it was thawing very fast and a large body of ice gave way, falling at least fifty feet, resulting as above stated. He leaves a widow and six children.

February 21, 1906. Andrew Skalgia, miner, aged 38 years, single, employed by the Shoal Creek Coal Co., Panama, Montgomery county, was killed. Deceased was at his boarding place, having worked that day, and had volunteered to take lunch to a fellow boarder who had remained in the mine to work an extra shift. Skalgia went with lunch in hand into the engine room and asked the engineer for a cage, stating for what purpose, also telling the engineer that he would ring three bells when he was ready. Just at that time the engineer received a signal from below that men wanted to come up and proceeded to hoist them. In the meantime, Skalgia had walked to the shaft and while the cages were in motion rang three bells to the engineer and walked into the shaft, falling onto the descending cage about 400 feet below. He was killed instantly.

February 23, 1906. Edward E. Taulbee, mine examiner, aged 30 years, married, and William Mason, aged 21 years, single, a machine runner, both employed in the Hillsboro Coal Co.'s mine at Hillsboro, Montgomery county, were caught under falling slate and instantly killed. At the face of the entry where Mason and his partner were working they had mined one cut with the electric machine and had just moved the machine into a place ready to mine the second cut when Taulbee came in. All three were standing, Mason and Taulbee on one side of the machine and Mason's partner on the other. Mason was telling Taulbee about some repairs that had been made on the machine that day, which were not satisfactory, when, without the slightest warning, about twenty tons of coal and slate fell on Mason and Taulbee. Mason's partner happened to be in the corner of the entry and was not hurt. He leaves a widow and one child.

February 27, 1906. Thomas Shehan, miner, aged 17 years, single, was working with his father in the Christian County Coal Co.'s mine at Taylorville, Christian county. Deceased was loading his car from a large pile of loose coal at the face. While shoveling at the bottom of the pile it relieved a large lump that was on the top, and which, rolling down, caught him, killing him almost instantly.

March 29, 1906. Elisha Bean, miner, aged 45 years, married, employed at the Shoal Creek Coal Co.'s mine at Panama, Montgomery county, was instantly killed by coal flying from a shot that he had just lighted. It is supposed that the squib was defective because he had not moved away when the shot went off. He leaves a widow and three children.

June 25, 1906. Oscar Furry, driver, aged 28 years, married, employed in mine No. 1 of the Superior Coal Co., Gillespie, Macoupin county, was crushed under pit cars while bringing out a loaded trip. He leaves a widow and children.

There was another fatal accident in this district during the year, but as the person killed was not an employé at the mines it is not included in the list of fatal accidents. This accident occurred November 3, 1905, at mine No. 1 of the Superior Coal Co., Gillespie, Macoupin county. J. D. Hurd, a hotel man living near Gillespie, went to this mine for some purpose not known. The gates at the mouth of the shaft were necessarily open, and an employé of the mine was clearing away coal that had fallen from the pit cars. Hurd walked by this employé into the shaft, falling to the bottom, a distance of over 300 feet.

The tables following describe the accidents, both fatal and non-fatal. These are followed by the county tables.

Respectfully submitted,

W. W. WILLIAMS.

State Inspector of Mines, Seventh District, Litchfield, Illinois.

Fatal Casualties—Seventh District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town)	Married.	Widows. Children.	Single.	Persons dependent.	Cause of Accident.
1905									
July 17	Chas. Jenkins	18	Driver	Girard			1		Pit cars
Aug. 2	Eli Davidson	63	Miner	Carlinville			1		Powder explosion
2	Wm. Corwin	23	do.	do.	1	1	1	2	do.
2	Albert Chaginski	35	do.	Green Ridge	1	1	1	2	Falling clod.
4	Noble Harry	72	Timberman.	Mt. Olive	1	1		1	Falling slate
4	Engle Bartagnollia	45	do.	Hornsby	1	1	4	5	do.
21	Fritz Hollenbeck	19	Miner	Staunton			1	1	Falling coal
28	Erastus Bridges	58	do.	Girard	1	1	1	2	Explosion; drilling out shot
28	John Nicka	45	do.	Pana			1		Falling coal
Sept. 5	Peter Brooks	54	Miner n'ger	Taylorville	1	1	5	6	Falling down shaft
17	Ledley Handel	36	do.	do.	1	1	1	2	Overwinding cage
28	Joseph Vose	21	Driver	Viriden			1	1	Pit cars
Oct. 6	Wm. Saner	53	Loader	Mt. Olive	1	1	5	6	Falling clod.
11	Floyd Palmer	18	Car trimmer	Pana			1		Bursting fly wheel
27	James Gray	27	Miner	Viriden			1	1	Electric shock
Nov. 8	Paul Nisovitch	43	Laborer	Near Mt. Olive	1	2		2	Railroad car
Dec. 11	Frank Strusik	23	Miner	Benld			1	1	Falling clod.
1906									
Jan. 29	Penby Johnson	17	Driver	Viriden			1		Pit car
11	Nicolaus Bonato	52	Sinker	Nokomis	1	1	6	6	Falling ice
Feb. 21	Andrew Skalgia	38	Miner	Panama			1	1	Falling down shaft
23	Edward Taulbee	30	Mine exam.	Hillsboro	1	1	1	2	Falling slate
23	Wm. Mason	21	Mch. runner	do.			1		do.
27	Thos. Shehan	17	Miner	Taylorville			1	1	Falling coal
Mar. 29	Elisha Bean	45	do.	Panama	1	1	3	4	Premature blast
June 25	Oscar Furry	28	Driver	Near Gillespie	1	1	2	3	Pit cars
	Totals				13	13	32	12	43

Recapitulation of Fatal Casualties—Seventh District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Benld	1	Driver	4	Ascending cage	1	Carlinville Coal Co	2
Carlinville	2	Laborer	1	Drilling out shot	1	Christian County Coal Co.	1
Gillespie	1	Loader	1	Electric shock	1	Consolidated Coal Co.	3
Girard	2	Mch. runner	1	Falling clod	2	Greenridge Coal Co.	2
Greenridge	1	Mine exam.	1	Falling coal	4	Hillsboro Coal Co	2
Hillsboro	2	Mine mgrs.	2	Falling down shaft	2	Illinois Collieries Co	3
Hornsby	1	Miners	11	Falling ice	1	Newbent Coal Co	1
Mt. Olive	3	Sinker	1	Falling slate	4	Peabody Coal Co	1
Nokomis	2	Timbermen	2	Fly wheel	1	Penwell Coal Co	1
Pana	2	Car trimmer	1	Pit cars	4	Royal Coal Co	1
Panama	2			Powder explosion	2	Shoal Creek Coal Co	2
Staunton	1			Premature blast	1	Stonington Coal Co.	2
Viriden	3			Railroad cars	1	Superior Coal Co	4
Taylorville	3						
Totals	25		25		25		25

Non-fatal Casualties—Seventh District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1906								
July	2 James Garrison	33	Virden	1	1		Hand mashed, jack screw	70
	6 Geo. Shanahan	36	Gillespie	1	2	3	Leg broken, falling slate	58
	19 W. E. Westbrook	35	Taylorville	1	1		Finger mashed, jack screw	36
	22 Oscar Miller	20	Pana	1	1		Finger cut off, pit car	30
Aug.	22 Fred Ernst	23	Mt. Olive	1	1	1	Legs injured, prop truck	30
	31 Chas. Haney	34	Witt	1	1		Body bruised, pit cars	30
	1 Phil White	30	Gillespie	1	1	1	Legs injured, falling coal	30
	1 James Morris	30	do.	1	1		do.	35
	4 Harry Brooks	23	Coffeen	1	1	1	Body injured, iron ball	30
	15 Joseph Young	55	Stonington	1	1	2	Back injured, fell from scaffold	70
	15 N. Osland	21	Witt	1	1		Shoulder broken, pit car	60
	16 Wm. Combs	24	Gillespie	1	1	1	Fingers cut off, pit car wheel	60
	16 Anton Bell	30	do.	1	1	1	Arm injured, pit cars	34
	16 S. Jennett	23	do.	1	1		Head cut, falling coal	30
	23 Abner Graham	55	Moweaqua	1	4	5	Body bruised, falling slate	*
	24 Joe Norkis	30	do.	1	1	2	Leg broken, falling slate	40
Sept.	24 Albert Long	27	do.	1	1	2	Eyes put out, shot blown through cross-cut	60
	2 A. Teefenbach	40	Carlinville	1	3	4	Body bruised, descending cage	200
	5 Temp Meadows	35	Litchfield	1			Body bruised, falling rock	30
	7 Jno. Gildig	26	Staunton	1			Leg broken, falling from roof	35
	9 A. Castello	19	Benld	1	1		Arm injured, falling coal	40
	17 Dan Jenkins	24	Stonington	1	1	2	Body bruised, jumping from cage	30
	17 A. Fletcher	35	do.	1		1	Body bruised, jumping from cage	40
	17 C. Cushing	30	do.	1		1	Arm broken, shieve wheel	29
Oct.	20 Ed. Butt	27	Litchfield	1			Body bruised, kicked by mule	30
	3 Mike Hadlich	19	Benld	1			Hip injured, mule and prop.	35
	13 Thos. Hall	30	do.	1			Foot crushed, pit car	32
	22 Wm. Schley	32	do.	1			Finger cut off, pit car	32
	25 Joe Aberly	25	Mt. Olive	1		1	Shoulder dislocated, falling rock	47
	27 Jas O'Brien	50	Pana	1	2	3	Foot broken, pit car	100
Nov.	28 John Sharp	26	Mt. Olive	1	1		Head and shoulders cut, falling rock	30
	2 Pete Carius	23	Benld	1			Foot bruised, track rail	29
	3 Joe Paploski	21	do.	1	1		Side injured, pit cars	36
	9 J. R. Meyer	53	Virden	1	3	4	Hand bruised, falling coal	102
	10 Clarence Fitch	23	Benld	1	1		Hip injured, pit car	40
	18 Jo. Schwischenberg	29	Mt. Olive	1			Thigh broken, falling slate	80
	21 John Dalut	30	Gillespie	1	1		Face cut, blast explosion	30
	27 Thos. Roberts	31	Virden	1	1		Hip injured, pit cars	36
	28 John Bluthe	23	Benld	1	1		Arm broken, pit car	42
	29 B. Bertino	30	Gillespie	1	1		Leg broken, falling coal	40
Dec.	7 Frank Weskocio	30	Benld	1	3	4	Leg injured, falling coal	30
	11 Wm. McCreedy	26	Virden	1	3	4	Arm broken, falling coal	35
	11 Fred Basse	40	Pana	1			Body injured, falling slate	*
	11 Henry Houser	35	Taylorville	1	4	5	Head and face burned, blast explosion	42
	12 Frank Berovik	36	Girard	1	3	4	Hand broken, falling coal	32
	13 Jo. Richardson	17	Benld	1			Body bruised, pit car	30
	14 T. Hess	22	Gillespie	1			Nose broken, falling on track rail	40
	25 Sam Edwards	19	Benld	1	1		Arm injured, kicked by mule	30
	28 Chas. F. Mayer	34	Girard	1	4	5	Back injured, falling slate	60
	29 Jo. Bartucer	33	Taylorville	1	3	4	Leg and foot injured, falling coal	37
	29 Wm. Mitchel	22	Benld	1			Arm and leg bruised, falling coal	40
1906								
Jan.	6 Roy Edwards	30	Taylorville	1			Body bruised, pit car	30
	8 Wm. Walker	37	Near Mine	1		1	Back injured, falling coal	35
	9 Arthur Holland	38	Mt. Olive	1		1	Ankle fractured, falling scaffold	40
	11 W. L. McDonald	17	Taylorville	1	1		Body bruised, pit cars	30

Non-fatal Casualties—Seventh District—Concluded.

Date.	Name.	Age.	Residence. (Town)	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905								
in.	11 Isaac Lamb.....	35	Bunker Hill...	1	.....	1	Leg broken, falling coal....	70
	14 John White.....	24	Nilwood.....	1	1	2	Collarbone broken, pit cars.	65
	18 Sam Delaney.....	48	Gillespie.....	1	.....	1	Shoulder bruised, falling coal.....	60
	18 Lew Davies.....	48	Litchfield.....	1	4	5	Head cut, falling slate.....	30
	19 A. J. Tucker.....	40	Near Mine.....	1	.....	1	Leg broken, falling coal....	44
	29 James Lynch.....	20	Gillespie.....	1	.....	1	Foot injured, pit car.....	33
b.	1 Jno. Schockerty.....	30	Mt. Olive.....	1	.....	1	Foot broken, falling slate..	40
	1 Ed. Pope.....	28	Taylorville.....	1	4	5	Leg injured, mining mach- ine.....	30
	2 Tavy Sitton.....	45	do.....	1	3	4	Leg injured, mining mach- ine.....	29
	3 Noel Atkins.....	35	Pana.....	1	.....	1	Body bruised, fal. through chute.....	32
	7 W. F. Smith.....	28	Viriden.....	1	.....	1	Arm broken, falling coal....	32
	10 James Turner.....	35	Coffeen.....	1	4	5	Body bruised, falling from scaffold.....	36
	12 Richd. Lawrence.....	22	Mt. Olive.....	1	.....	1	Leg broken, falling coal....	38
	13 Peter Wielding.....	67	do.....	1	.....	1	Body bruised, falling slate..	30
	13 Thos. Powell.....	48	Witt.....	1	1	2	Body bruised, pit cars.....	40
	13 Ed. Campbell.....	21	Viriden.....	1	.....	1	Body bruised, pit car.....	35
	14 Marshal O'Connel.....	19	Gillespie.....	1	.....	1	Arm broken, pit car.....	31
rch	1 Saml. Caster.....	21	Benld.....	1	.....	1	Body bruised, falling coal..	38
	2 Ed. Smith.....	23	Litchfield.....	1	.....	1	Body bruised, pit cars.....	30
	3 Low Coget.....	40	Pana.....	1	4	5	Leg broken, falling coal....	40
	9 Jas. Merriman.....	63	Viriden.....	1	.....	1	Arm broken, falling coal....	32
	12 Jno. Zwinick.....	45	Pana.....	1	4	5	Leg broken, falling slate..	59
	15 Fred Barbrook.....	20	Benld.....	1	.....	1	Body bruised, falling coal..	60
	23 Geo. Alderson.....	26	Viriden.....	1	.....	1	Hand bruised, pit car.....	30
	23 Louis Schafer.....	37	Benld.....	1	4	5	Back injured, falling coal..	30
	24 Frank Reed.....	18	Viriden.....	1	.....	1	Finger mashed, falling coal.	36
	24 H. Radamacher.....	18	Witt.....	1	.....	1	Head cut, falling coal.....	30
se	14 Jas. J. Boyle.....	34	Pana.....	1	2	2	Jaw broken, kicked by mule	40
	25 Fred Heddrick.....	32	do.....	1	.....	1	Body bruised, falling coal..	*
	Total.....			44	40	69	111	

*Not recovered July 1, 1906.

total number of men injured.....	84
not recovered July 1, 1906.....	3
number of men recovered July 1, 1906.....	81
time lost by men recovered, days.....	3,450
average time lost by men recovered, days.....	42.59

Recapitulation of Non-Fatal Casualties—Seventh District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Benld	15	Cagers	7	Ascending cage	1	Bauer & Truesdale	1
Bunker Hill	1	Carpenters..	2	Blown out shot	3	Carlinsville Coal Co	1
Carlinsville	1	Car trim-		Car wheel	1	Christian County Coal Co.	6
Coffeen	2	mers	2	Descending cage	1	Clover Leaf Coal Co.	2
Gillespie	14	Drivers	23	Falling clod	1	Consolidated Coal Co	5
Girard	2	Greaser	1	Falling coal	24	Dering Coal Co	4
Litchfield	4	Laborer	1	Falling rock	3	Illinois Collieries Co	14
Mt. Olive	8	Loader	1	Falling slate	10	Madison Coal Co	2
Moweaqua	3	Machine run-		Fell off roof	1	Moweaqua Coal Co	2
Nilwood	1	ners	5	Fell off scaffold	3	Pana Coal Co	2
Pana	8	M a c h i n e		Fell through chute	1	Penwell Coal Co	1
Staunton	1	helper	1	Iron rail	3	Prairie State Coal Co.	2
Stonington	4	Miners	30	Jack screw	2	Royal Coal Co	2
Taylorville	8	Pick boy	1	Jumped off cage	2	Smith, Lohr & Co	2
Viriden	8	Shovelers	2	Kicked by mule	3	Springfield Coal Co.	2
Witt	4	Sinkers	5	Machine	2	Staunton Coal Co	1
		Timbermen..	2	Mule and prop	1	Superior Coal Co	3
		Trapper	1	Pit car	21		
				Prop truck	1		
Totals	84		12		84		8

Showing the Nature of Injuries, Number of persons Injured, Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries
					Total days.	Average days.	
aken	6	3	3	6	201	33.50	7.15
ured	4	3	3	2	139	34.75	4.76
leg injured	1		1		40	40.00	1.19
ared	4	4		13	195	48.75	4.76
ured	22	11	11	23	817	49.00	26.19
ne broken	1	1		2	65	65.00	1.19
royed	1	1		2	60	60.00	1.49
	1				30	30.00	1.19
ut off	3	1		1	128	42.67	3.57
injured	3		3		66	33.00	2.38
ken	3	1		3	140	70.00	2.38
ired	3		3		94	31.33	3.57
oken	1	1		4	32	32.00	1.19
ured	1	1	3		232	98.00	4.76
ured	2	1	1	5	60	30.00	2.38
1 face injured	1	1		5	42	42.00	1.19
1 shoulder injured	1		1		30	30.00	1.19
ken	3		3		111	37.00	3.57
on	1	1		2	40	40.00	1.19
ken	10	7	3	18	500	50.00	11.91
ired	6	5	1	15	184	30.67	7.15
foot injured	1	1		4	37	37.00	1.19
ken	1		1		40	40.00	1.19
broken	1		1		69	60.00	1.19
injured	2	2		2	107	53.50	2.38
ls. averages and percentages ..	84	44	40	111	3,450	42.59	100.00

Calhoun County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE.				
			Mine run.	Lump.	Reg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	Thomas Press Brick Co., No. 1.....	Golden Eagle.	2,500				

Mines reported for 1905—1.
Mines in 1906—1.

Christian County—Seventh District—1906.

			OUTPUT OF MINE.				
Number.	NAME OF OPERATOR.	Postoffice address of the mine.	Mine run.	Lump.	Flss.	Nut.	Pes or screenings.
SHIPPING MINES.							
1	Springfield Coal M. Co., No. 6.....	Taylorville.....	110,000	76,000			
2	Christian County Coal Co.....	do.....	76,000	35,000			
3	Penwell Coal Co.....	Pana.....	25,000	22,100	2,000		
4	Pana Coal Co., No. 1.....	do.....	9,000	10,111			
5	Pana Coal Co., No. 2.....	do.....	10,000	12,000			
6	Assumption Coal Co.....	Assumption.....	30,000	12,011			
7	Smith-Lohr Coal Co.....	Pana.....	30,000				
8	Stonington Coal Co.....	Stonington.....	5,000	9,000			
Totals—8 mines.....			276,000	208,711	2,000	72,000	20,000

Mines reported for 1905—7.
New mines—1.
Mines in 1906—8.

Calhoun County—Seventh District—Concluded.

Slack or waste.	TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
	Total.			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
....	3,000		\$5,000	.....	.....	.....	3,000	200	3,000	8	2	10	1

Christian County—Seventh District—Concluded.

Slack or waste.	TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
	Total.			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
2,582	193,926	\$207,709	137,431	30,900	17,296	8,299	195	193,926	200	92	292	1	
6,426	160,790	163,409	147,287	.....	7,077	6,426	175	24,608	134	69	203	2
6,574	119,728	122,331	98,735	8,740	10,679	6,574	121	119,728	150	79	229	3	
3,486	108,751	95,639	78,653	15,102	7,510	7,486	155	108,751	135	62	197	4	
6,090	98,130	83,849	92,040	.....	.....	6,090	98	98,130	160	72	232	5
6,864	85,621	181,349	64,665	.....	10,069	10,863	136	85,621	136	61	197	6
.....	38,078	41,886	32,498	.....	2,422	3,158	150	38,078	60	42	102	7
3,123	21,476	18,954	15,611	.....	2,733	3,132	201	.....	30	15	45	8
5,155	826,500	\$915,126	661,920	54,742	57,810	52,028	162	668,842	1,005	492	1,497		

Greene County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	Edward Griffiths.....	Roodhouse.....		2,033			
2	A. Y. Collins.....	Greenfield.....		2,350		650	
3	W. H. Allen.....	Wrights.....		1,140			
4	J. H. Little.....	Roodhouse.....		1,125			
Totals—4 mines.....				7,651		650	

Mines reported for 1906—11.

Abandoned mines—7.

Mines in 1906—4

Greene County—Seventh District—Concluded.

Tons.	Stack or waste.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
....		3,036	\$5,313	.....	.....	3,036	.....	248	3,036	8	2	10	1
....		2,640	4,800	.....	.....	2,640	.....	250	2,640	8	4	12	2
75		1,215	2,310	.....	.....	1,140	75	262	1,215	8	2	10	3
....		1,125	1,969	.....	.....	1,125	.....	.....	1,125	.....	.....	.....	4
75		8,016	\$14,392	.....	.....	7,941	75	253	8,016	24	8	32	

Macoupin County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE-				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Superior Coal Co., No. 1.	Gillespie.	383,934				96,325
2	Superior Coal Co., No. 2.	do.	367,879				89,974
3	Consolidated Coal Co., No. 15.	Mt. Olive.	31,210	121,600			91,949
4	Illinois Collieries Co., No. 1.	Viriden	915	121,129	20,169	30,401	30,386
5	Royal Colliery Co., No. 1.	do.	36,500	97,591	22,662		74,424
6	Illinois Collieries Co., No. 5.	Girard	2,551	129,673			81,396
7	Consolidated Coal Co., No. 14.	Staunton	28,000	108,900		69,948	
8	Madison Coal Co., No. 5.	Mt. Olive.	28,993	106,909			46,500
9	Consolidated Coal Co., No. 8.	do.	21,000	118,900			43,027
10	Consolidated Coal Co., No. 10.	do.	15,610	114,017			43,200
11	Consolidated Coal Co., No. 6.	Staunton	76,000	63,200			16,215
12	Green Ridge, Coal Co., No. 1.	Green Ridge.	55,803	32,728	2,004	81	26,579
13	Consolidated Coal Co., No. 7.	Staunton	11,600	53,100			42,902
14	Superior Coal Co., No. 3.	Gillespie	35,386	24,164			6,984
15	Carlinville Coal Co., No. 1.	Carlinville	30,150	16,100		1,950	4,630
16	Illinois Collieries Co., No. 4.	Viriden	16,710	14,479		26	12,181
17	Consolidated Coal Co., Gillespie.	Gillespie	8,609	20,810			2,682
18	Prairie State Coal Co., No. 1.	Nilwood.	19,236				
19	Consolidated Coal Co., Clyde.	Hornsby	4,810	8,406			3,506
Totals			423,083	1903,519	44,835	102,406	712,980
LOCAL MINES.							
1	Wm. Neil & Co.	Bunker Hill	4,818				430
2	Bauser & Truesdale.	do.	1,633				1,541
3	Davis Bros.	Fayetteville.	2,400			20	
4	Chas. Lyle.	Brighton.	1,364				
5	James Harbough.	Chesterfield.	900			10	
6	Fritz Jordan	Bunker Hill.	720			240	
7	G. B. Loper	Chesterfield.	687				
8	Louis Luking.	Brighton	480				
9	Cairns & Bott.	do.	480				
10	H. S. Duggan	Scottville	240				
Totals			720	13,002		270	1,971
Totals—29 mines.			423,803	1916,521	44,835	102,676	714,951

Mines reported for 1906—27.

New mines—2.

Mines in 1906—29.

Macoupin County—Seventh District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	480,259	\$40,994	451,279	.....	1,000	27,980	223	.....	253	154	407	1
.....	457,853	392,172	444,164	.....	1,000	12,689	222	.....	241	138	379	2
.....	244,759	204,709	233,674	.....	176	10,909	223	.....	175	67	242	3
31,922	234,922	255,752	217,908	.....	7,979	9,035	143	.....	289	146	435	4
.....	231,177	215,188	226,590	.....	1,808	2,779	223	231,177	160	62	222	5
.....	213,590	208,428	204,655	.....	6,191	2,744	180	213,590	145	66	211	6
.....	206,848	213,388	196,511	.....	37	10,300	184	.....	140	111	251	7
1,945	184,407	168,812	155,164	20,749	664	7,830	187	.....	135	90	225	8
.....	182,927	172,846	171,512	.....	4,015	7,400	171	.....	155	70	225	9
.....	172,827	162,446	163,727	.....	.....	9,100	162	.....	135	67	202	10
.....	155,415	147,566	110,170	29,015	9,030	7,200	176	.....	170	65	235	11
2,364	119,559	117,168	114,852	.....	2,343	2,364	160	119,559	150	69	219	12
.....	107,602	88,666	100,967	.....	135	6,500	165	.....	150	53	203	13
.....	66,534	61,436	64,419	.....	763	1,352	171	.....	66	59	125	14
2,009	54,839	55,985	35,494	1,345	14,150	3,850	144	54,839	55	26	81	15
61	43,457	47,420	20,511	16,675	3,871	2,400	201	43,457	32	35	67	16
.....	32,101	38,205	24,500	.....	4,100	3,501	134	.....	50	31	81	17
.....	19,236	19,236	18,000	.....	1,236	.....	100	19,236	50	18	68	18
.....	16,812	18,556	13,993	.....	1,109	1,710	119	.....	30	21	51	19
38,301	3,225,124	\$2,997,922	2,968,090	67,784	59,607	129,643	173	681,858	2,581	1,348	3,929	
.....
.....	5,248	\$8,593	.....	.....	4,818	430	250	.....	12	4	16	1
.....	3,174	4,784	.....	.....	3,100	74	245	3,174	4	4	8	2
.....	2,420	4,220	.....	.....	2,420	.....	200	2,420	8	1	9	3
.....	1,364	2,387	.....	.....	1,364	.....	115	1,364	4	1	5	4
.....	910	1,355	.....	.....	910	.....	125	910	4	.....	4	5
.....	960	1,500	.....	.....	960	.....	225	960	5	1	6	6
.....	687	1,030	.....	.....	687	.....	100	687	5	1	6	7
.....	480	720	.....	.....	480	.....	100	480	4	1	5	8
.....	480	840	.....	.....	480	.....	200	480	2	1	3	9
.....	240	540	.....	.....	240	.....	120	240	1	.....	1	10
.....	15,963	\$25,969	.....	.....	15,459	504	168	10,715	49	14	63	
38,301	3,241,087	\$3,023,891	2,968,090	67,784	75,066	130,147	.....	692,573	2,630	1,362	3,992	

Montgomery County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Burnwell Coal Co., No. 1	Witt	117,432	67,486	2,498	20,342	28,194
2	Hillsboro Coal Co., No. 1	Hillsboro	23,247	97,787	197	14,318	36,983
3	Clover Leaf Coal Co., No. 1	Coffeen	4,374	69,440	.....	2,241	20,236
4	Illinois Collieries Co., No. 7	Litchfield	8,644	35,594	8,612	.....	12,378
5	Kortkamp Coal Co., No. 1	Hillsboro .....	.....	33,761	.....	.....	14,489
6	Shoal Creek Coal Co., No. 1	Panama	5,122	8,419	.....	862	2,932
7	Miller Coal Co., No. 1	Raymond	400	1,500	.....	800	.....
Totals			159,219	313,967	11,307	38,563	115,192
LOCAL MINES.							
1	Peabody Coal Co	Nokomis	1,651	.....	.....	.....	.....
Totals—8 mines			160,870	313,967	11,307	38,563	115,192

Mines reported for 1905, 6.

New mines, 2.

Mines in 1906, 8.

Montgomery County—Seventh District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
	235,952	\$214,346	228,855	.....	4,395	2,702	220	235,952	225	35	277	1
	172,512	181,207	162,093	.....	7,076	3,343	198	.....	115	66	181	2
	96,291	110,339	91,171	597	2,723	1,800	248	96,291	72	57	129	3
8,398	73,626	94,841	53,438	7,452	9,198	3,538	180	73,626	86	72	158	4
	48,230	51,606	48,230	.....	.....	.....	122	.....	68	19	87	5
742	18,077	15,814	15,833	.....	264	1,980	85	.....	37	50	87	6
800	3,500	6,075	1,500	.....	1,400	600	198	3,500	10	5	15	7
9,940	648,188	\$674,228	601,120	8,049	25,056	13,963	194	409,369	613	321	934	
	1,651	\$2,477	.....	.....	663	988	83	.....	4	2	6	1
9,940	649,839	\$676,705	601,120	8,049	25,719	14,951	.....	409,369	617	323	940	

Morgan County—Seventh District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	T. Wagstaff	Murrayville.....		1,730			
2	Jacob Stokes.....	Arenzville		1,248		80	
Totals—2 mines				2,968		80	

Mines reported for 1905, 3.
Abandoned mines, 1.
Mines in 1906, 2.

Scott County—7th District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	Chas. McElwee	Winchester		10,592			
2	W. H. Bates & Co.	do.		4,274		778	
3	Wm. Kund.	Bluffs		1,582			
4	Geo. Sellers	Winchester		872			
5	John McGuire	Alsey		800			
6	Ed. Berry	Exeter		400			
7	Ed. Rauff	Bluffs		320			
8	Patrick McGuire	Winchester		320			
Totals				19,160		778	

Mines reported for 1905, 14.
Abandoned mines, 6.
Mines in 1906, 8.

Morgan County—Seventh District—Concluded.

No.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.		
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.
	1,720	\$3,010			1,720		215	1,720	5	1	6
	1,328	2,928			1,328		260	1,328	7	1	8
	3,048	\$5,938			3,048		237	3,048	12	2	14

Scott County—7th District—1906—Concluded.

No.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.		
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.
	10,592	\$18,536			10,592		175	10,592	4	1	5
	5,052	8,588			5,052		186	5,052	15	7	22
	1,582	3,164			1,582		225	1,582	5		5
	872	1,308			872		200	872	3		3
	800	1,400			800		240	800	4		4
	400	800			400		150	400	2		2
	320	640			320		250	320	2		2
	320	560			320		200	320	2		2
	19,938	\$34,996			19,938		203	19,938	37	8	45

Shelby County—7th District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Moweaqua Coal Mining Co., No. 1.....	Moweaqua	16,422	27,940	12,816	15,838	2,354
2	Century Coal Co., No. 1.	Tower Hill....	485	12,974	2,064	4,448	5,853
Totals			16,907	40,914	14,880	20,286	8,207
LOCAL MINES.							
1	Widick Bros	Findley		3,085		32	
2	John Anglin	Shelbyville		2,400		80	
3	Brophy Bros	do.		1,824			
4	M. R. Williams	do.		824			
5	W. F. Gallagher	Mode		600			
6	Hickey & Kingston	Shelbyville		480		28	
7	B. F. Stretch	do.		380			
8	Wm. Baum	do.		440		200	
9	W. W. Turney	do.		200			
Totals				10,183		340	
Totals—11 mines			16,907	51,097	14,880	20,626	8,207

Mines reported for 1905, 12.
 New mines, 1.
 Abandoned mines, 2.
 Mines in 1906, 11.

Shelby County—7th District—1906—Concluded.

Tons.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employe's.	Total.	
2,678	88,048	\$110,891	59,806	13,317	10,376	4,549	183	68,755	125	75	200	1
2,269	28,093	29,198	22,747	.....	2,990	2,356	188	28,093	41	20	61	3
4,947	116,141	\$140,089	82,553	13,317	13,366	6,905	186	96,848	166	95	261	
.....	3,067	\$8,402	.....	.....	3,067	.....	170	3,067	18	1	19	1
.....	2,480	6,729	.....	.....	2,480	.....	240	2,480	16	1	17	3
.....	1,824	5,016	.....	.....	1,824	.....	225	1,824	10	2	12	3
.....	824	2,266	.....	.....	824	.....	240	824	16	1	17	4
.....	600	1,350	.....	.....	600	.....	190	600	5	.....	5	5
.....	508	1,253	.....	.....	508	.....	160	508	4	.....	4	6
.....	380	1,045	.....	.....	380	.....	275	380	16	2	18	7
.....	640	1,660	.....	.....	640	.....	200	640	5	2	7	8
.....	200	500	.....	.....	200	.....	150	200	5	.....	5	9
.....	10,523	\$28,212	.....	.....	10,523	.....	206	10,523	95	9	104	
4,947	126,664	\$168,301	82,553	13,317	23,889	6,905	.....	107,371	261	104	366	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Christian	8	276,182	328,711	3,749	73,606	99,097	45,155	826,500	\$0.5411	\$0.45
Macoupin	19	423,083	1,903,519	44,835	102,406	712,980	38,301	3,225,124	0.5221	0.45
Montgomery	7	159,219	313,967	11,307	38,563	115,192	9,940	648,188	0.5228	0.48
Shelby	2	16,907	40,914	14,880	20,286	8,207	14,947	116,141	0.5484	0.385
Totals and av.	36	875,391	2,587,111	74,771	234,861	935,476	108,343	4,815,953	\$0.5305	\$0.452

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Calhoun	1	3,000	.....	.....	.....	.....	.....	3,000	\$1.00	.....
Greene	4	.....	7,461	.....	480	.....	75	8,016	1.00	.....
Macoupin	10	720	13,002	.....	270	1,971	.....	15,963	0.8352	0.45
Montgomery	1	1,650	.....	.....	.....	.....	.....	1,651	.....	0.48
Morgan	2	.....	2,968	.....	80	.....	.....	3,048	1.109	.....
Scott	8	.....	19,160	.....	778	.....	.....	19,938	1.1823	.....
Shelby	9	.....	10,183	.....	340	.....	.....	10,523	1.572	.....
Totals and av.	35	5,371	52,774	.....	1,948	1,971	75	62,139	\$1.1488	\$0.4572
Totals, district— all mines	71	880,762	2,639,885	74,771	236,809	937,447	108,418	4,878,092	.....	.....

Whole number of mines reported in 1905, 89.

Number of new mines opened during the year, 6.

Number of mines exhausted or abandoned during the year, 24.

Whole number of mines reported for 1906, 71.

Counties—Seventh District, 1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
162	668,842	157,658	\$0.9726	\$1.4695	\$1.38	\$1.2811	\$0.5401	\$0.2497	1,005	492	1,497
173	681,858	2,543,266	0.9414	1.1043	1.1059	1.0365	0.4603	0.3559	2,581	1,348	3,929
194	409,369	238,819	0.952	1.3414	1.3515	0.8024	0.4494	0.3526	613	321	934
186	96,848	19,293	1.236	1.721	1.5014	0.8611	0.4832	0.3348	166	95	261
175	1,856,917	2,959,036	\$0.969	\$1.1892	\$1.236	\$1.06	\$0.468	\$0.3102	4,365	2,256	6,621

Counties—Seventh District, 1906.

Average No. of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
200	3,000		\$2.00						8	2	10
253	8,016			\$1.8606		\$1.00		\$0.40	24	8	32
168	10,715	5,248	1.75	1.7118		0.9815	\$1.0591		49	14	63
83		1,651	1.50						4	2	6
237	3,048			1.96		1.50			12	2	14
203	19,938			1.7575		1.70			37	8	45
206	10,523			2.7038		1.9956			95	9	104
196	55,240	6,899	\$1.813	\$1.957		\$1.4713	\$1.0591	\$0.40	229	45	274
.....	1,912,157	2,965,935							4,594	2,301	6,895

EIGHTH INSPECTION DISTRICT, 1906.

FIRST ANNUAL REPORT.

(The Eighth Inspection District was formed in 1905. The first report is for the year ending June 30, 1906.)

Counties—Bond, Crawford, Effingham, Fayette, Jasper, Madison, Monroe, St. Clair.

WALTON RUTLEDGE, *Inspector*, Alton.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois.

SIR—I have the honor to submit the first annual report of the coal mines in the eighth inspection district.

The tabular information contained in this report gives all the required information in regard to the number of mines, miners and other employes, the various grades of coal produced and the number of tons in each grade, with the selling price per ton at the mine; also the disposition of the product, whether shipped by rail, sold to local consumers, or used for steam purposes at the mines; the amount of powder used in blasting the coal, and the amount of dynamite used in sinking and blasting rock, with a statement of all casualties, both fatal and non-fatal.

The following summary is given, showing an abbreviation of the principal items found in the schedules of the mining counties:

Number of mines.....	121
Number of new mines.....	15
Number of abandoned mines.....	7
Number of tons of mine run coal.....	1,751,244
Number of tons of lump coal.....	3,642,021
Number of tons of egg coal.....	202,800
Number of tons of nut coal.....	260,119
Number of tons of screenings or pea coal.....	1,270,530
Number of tons slack coal.....	196,410
Total number of tons (2,000) produced.....	7,330,093
Average value of mine run coal per ton, shipping mines.....	\$0.846
Average value of lump coal per ton, shipping mines.....	\$1.07
Average value of egg coal per ton, shipping mines.....	\$1.11
Average value of nut coal per ton, shipping mines.....	\$0.76
Average value of screenings per ton, shipping mines.....	\$0.392
Average value of slack coal per ton, shipping mines.....	\$0.156
Aggregate value of total product.....	\$6,422,776
Tons loaded on cars for shipment.....	6,714,084
Tons supplied to the locomotives at the mines.....	82,791
Tons sold to local trade.....	257,946
Tons consumed at the mines.....	275,262
Average number of days in operation, shipping mines.....	187
Tons mined by hand.....	3,629,423
Tons mined by machines.....	3,700,670
Number of mines using coal cutting machines.....	30
Number of machines in use.....	321
Number operated by electricity.....	41
Number operated by compressed air.....	280

Number of haulage motors using electricity.....	8
Number of electric motors operating fans.....	2
Number of motors hoisting coal.....	1
Number of miners.....	5,808
Others underground.....	1,718
Boys underground.....	196
Employés on the surface.....	911
Total number of employés.....	8,633
Number of kegs of powder used for blasting coal.....	161,688
Number used for other purposes.....	42
Number of pounds of dynamite used.....	730
Number of fatal accidents.....	32
Number of non-fatal accidents.....	72
Number of tons mined to each fatal accident.....	229,065
Number of tons mined to each non-fatal accident.....	101,807
Ratio of persons killed per 1,000 employés.....	3.7

The increasing of the mine inspection districts of the State from seven to ten, which went into effect July 1, 1905, made this, the eighth, an entire new district. The coal producing counties now in this district are: Bond, Madison and St. Clair, all formerly in the old sixth district.

The following table shows the tonnage of each county in this district for the years 1905 and 1906, with the gain in each.

COUNTY.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905	1906		
Bond	129,815	130,521	706	.....
Madison	2,987,906	3,031,553	43,647	.....
St. Clair	3,398,032	4,168,019	769,987	.....
Total	6,515,753	7,330,093	814,340	.....
Net increase			814,340	.....

The counties comprising the district shows a net increase of 814,340 tons, which is due to the increased output of the mines of the Mt. Olive and Staunton Coal Co., and the new Staunton Coal Co. in Madison county, also of the St. Louis and O'Fallon Coal Co.'s Nos. 1 and 2 mines, and the new mine No. 17 of the Consolidated Coal Co., in St. Clair county. This is a large output for these counties, considering that three-fourths of the mines were under suspension for nearly three months during the year. There are two commercial mines in St. Clair county, the "Ruby" mine at Caseyville, and the "Beatty" at Shiloh Valley, which have not been operated during the year. These mines are now in condition so that they may be operated at any time.

NEW MINES.

A new mine has been opened during the year by the Pocahontas Mining Co., a quarter of a mile east of Pocahontas on the Vandallia railroad, in Bond county. The main shaft is down 386 feet. The coal seam will run 7½ to 8 feet in thickness, and coal is now being hoisted. It is the intention to make this a No. 1 mine. It is equipped with double engines, Danville make, 23 by 36 inches. The boilers are 6 by 18 feet; dump cages and air compressor. The coal is to be mined by Ingersoll-Sargeant coal cutting machines, which will be put in later. The coal appears to be of good quality, but rather soft.

The Mulberry Hill Coal Co. has opened up a new shaft about one mile southeast of Freeburg in St. Clair county, on the line of the Illinois Central railroad. The main and air shafts are both sunk. The shafts are 150 feet deep. The coal seam is 7 feet thick. One boiler is 72 inches by 18 feet, with 70 4-inch tubes, and a double first motion engine 18 by 32 inches, with a 5-foot drum, supplied by the Aetna Machinery and Foundry Co., of Springfield, Illinois. The side track to the mine is not yet completed.

Several local mines have been opened out in St. Clair county, viz: The Unipertive Coal Co. at New Athens; Lebanon Coal Co. at Lebanon; Wm. Hartmann, Millstadt; Henry Reinheimer, Freeburg; Miller & Company, at French Village; John Branch, near Belleville; Cyrus Stubblefield, 2 miles south of Marissa; and John Silment & Son, at Centerville.

The Consolidated Coal Co. of St. Louis, Mo., has put in operation during the year a new mine, three miles south of Collinsville, in St. Clair county. The equipment of this mine is first class in every particular. Powerful hoisting engines have been installed with a boiler power of over 1,000 H. P. A large washery has been built capable of washing 1,000 tons of coal in eight hours. This mine has been opened out in a very short time, and in less than ten months the company was hoisting 1,500 tons of coal per day, operating 30 entries and about 100 rooms. The mine will be known as No. 17.

Prospecting has been renewed again at the New Douglas mine in Madison county.

IMPROVEMENTS.

Improvements have been made during the year at the following named mines in St. Clair county:

The Oak Ridge Coal Co. at Marissa has retimbered the shafts of its mines, improved the tower and put in first motion engines and electric haulage.

The Joe Taylor Coal Co. of O'Fallon, at its Ridge Prairie mine, has put in electric haulage, also an electric motor to run the fan at the St. Ellen mine. The Sullivan Coal Co. cutting machines and compressors have been put in.

The Prairie Coal Co. of Belleville has put in a new 26-foot fan.

The International Coal Co. of O'Fallon has put in electric haulage at its Carbon mine.

The Glendale Coal Co. of Belleville has put in electric haulage.

The Erie Coal & Mining Co. of Bensburg has put in electric haulage.

The Superior Coal & Mining Co. at Belleville has put in an electric motor to run the fan.

The Fred Murphy mine of Belleville has put in an electric motor to hoist the coal.

The following improvements are noted at coal mines in Madison county:

The New Stanton Coal Co. at Livingston has put in electric haulage.

The Interstate Coal Co. at Worden has put in a new engine and cage at their escapement shaft.

The Lumsden Coal Co. of Collinsville has built a large coal washery near their mines at that place.

The Madison Coal Co. has built a large washery near their mines at Glen Carbon.

CHANGES IN THE NAMES OF COAL COMPANIES.

The Southern Coal and Mining Co. of St. Louis, Mo., has bought the following mines: The Walnut Hill Coal Co.'s mine; the Lanz Coal and Mining Co.'s mines Nos. 1 and 2; the Avery Coal and Mining Co.'s Oakland mine; the Oakhill Coal Co.'s No. 1 mine; the Glendale Coal and Mining Co.'s No. 2 mine; the Murray Coal and Ice Co.'s mine No. 1; and the Little Oak Coal Co.'s No. 1 mine. These mines from this time forward will be known as the Southern Coal and Mining Co.'s Nos. 1 to 8. All are located in St. Clair county.

The Lake Superior Coal Co. has been changed to the L. Senior mine. The Madison Coal Co. has changed its name to the Madison Coal Corporation. The John Marshall mine at Casserille is now worked by the Elliott Brothers. The H. L. Hensch mine at Fosterberg is now owned by Barnes Rink. The Henry Gault mine at Fosterberg is now operated by Mial Meyers. The Oscar Meyers mine at North Altos is now operated by George H. Miller. The Conrad Reel mine at Belleville is operated by Breit & Co. The Lebanon Coal and Mining Association has changed its name to the International Coal and Mining Company.

FATAL ACCIDENTS.

The following is a detailed statement of the fatal accidents that have happened in the eighth inspection district during the year ending June 30, 1906.

July 17, 1905. James Harrison, miner, aged 50 years, married, was injured at the St. Louis and O'Fallon Coal Co.'s No. 1 mine, near Belleville, St. Clair county. He was in the act of loading a mine car when a large piece of slate fell and caught him. He died 13 hours after the accident. He leaves a widow and five children.

July 19, 1905. Napollan Goalby, shot firer, aged 41 years, single, was killed at Donk Bros.' Coal and Coke Co.'s No. 3 mine at Troy, Madison county. Deceased had lighted a shot in a room on the left rib. The shot was opposite a cross-cut coming through from the next room. He went into the cross-cut in the next room to fire a shot, when the shot from the first room blew into the cross-cut, throwing the coal, which caught him. He was killed instantly.

July 25, 1905. George Pearson, driver, aged 35 years, married, was killed at the Madison Coal Corporation's No. 4 mine at Glen Carbon, Madison county. He fell in front of a loaded trip, bruising his body so badly that he died later. He leaves a widow and five children.

August 7, 1905. George Strebel, miner, aged 45 years, married, was injured at the St. Louis and O'Fallon Coal Co.'s No. 1 mine at Belleville, St. Clair county, by falling rock at the working face. He died from the injuries received, September 17, 1905. He leaves a widow and five children.

August 8, 1905. John F. Rebeck, blaster and loader, aged 18 years, single, was injured by falling slate in the Madison Coal Corporation's No. 2 mine at Glen Carbon, Madison county, from which injuries he died at his home in Edwardsville, May 10, 1906.

August 26, 1905. Reinold Haase, miner, aged 18 years, single, was killed by a fall of slate at the working face, in the Mount Olive and Staunton Coal Co.'s No. 1 mine at Staunton, Madison county.

October 11, 1905. Daniel Hopp, shot firer, aged 38 years, married, was injured by a fall of clod in the Southern Coal and Mining Co.'s No. 6 mine at Belleville, St. Clair county. His left leg was broken and he was injured internally, from the effects of which he died 3 days afterwards. He had lit the squib of a shot when the clod fell and caught him. He called to his partner for assistance, who came and pulled the squib out of the hole and carried deceased to a place of safety. He leaves a widow and two children.

October 14, 1905. August Mozart, blaster and loader, aged 35 years, married, was killed by falling slate while working at the face of his room in the Lumaghi Coal Co.'s No. 2 mine at Collinsville, Madison county. He leaves a widow and four children.

October 26, 1905. John Tetter, trip rider, aged 25 years, single, was killed in the Donk Bros. Coal and Coke Co.'s No. 3 mine at Troy, Madison county. He was making a flying switch and fell from the rear end of the motor. The empty cars ran over him.

October 27, 1905. John Delaney, miner, aged 48 years, married, was killed by a fall of rock near the working face of his entry in the Donk Bros. Coal and Coke Co.'s No. 1 mine at Donkville, Madison county. He leaves a widow and five children.

October 27, 1905. Henry Sweby, miner, aged 40 years, married, was killed by falling rock near the working face of the entry in the Donk Bros. Coal and Coke Co.'s No. 1 mine at Donkville, Madison county. He leaves a widow and two children.

November 8, 1905. Joseph Bowman, machine helper, aged 56 years, married, was killed by falling coal from the face of the room in the Mt. Olive and Staunton Coal Co.'s No. 1 mine at Staunton, Madison county. He leaves a widow and five children.

December 30, 1905. William Koch, miner, aged 22 years, single, was killed by falling coal at the face of the entry, in the Breeze-Trenton Coal Co.'s mine at Trenton, Clinton county.

January 10, 1906. John Dugan, miner, aged 40 years, single, was killed by falling slate at the face of his room in the Consolidated Coal Co.'s mine at Brookside, Madison county.

THE UNITED STATES OF AMERICA
DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF STAFF
WASHINGTON, D. C.

MEMORANDUM FOR THE CHIEF OF STAFF
SUBJECT: [Illegible]

1. [Illegible]

2. [Illegible]

3. [Illegible]

4. [Illegible]

5. [Illegible]

6. [Illegible]

7. [Illegible]

8. [Illegible]

9. [Illegible]

10. [Illegible]

11. [Illegible]

May 28, 1906. Jule Glaner, miner, aged 36 years, married, was seriously injured at the working face by falling clod, in Fred Murphy's mine at Belleville, St. Clair county, from the effects of which he died. He leaves a widow and three children.

June 23, 1906. Joseph Abrahams, blaster and loader, aged 28 years, married, was killed by falling clod at the working face, in the New Staunton Coal Co.'s mine at Livingston, Madison county. He leaves a widow.

The tables of the fatal and non-fatal accidents, with the regular county tables, follow, giving the detailed information of the coal mining industry of the district.

WALTON RUTLEDGE,

Respectfully submitted,
State Inspector of Mines, Eighth District, Alton, Illinois.

Fatal Casualties—Eighth District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children. Single.	Persons dependent.	Cause of Accident.
1905									
July 17	Jas. Harrison	50	Miner.	Belleville	1	1	5	6	Falling slate.
19	Napoleon Goalby	41	Shot firer	Troy			1	1	Blast explosion
25	George Pearson	35	Driver	Glen Carbon	1	1	5	6	Pit cars.
Aug. 7	*George Strebel	45	Miner	Caseyville	1	1	5	6	Falling rock.
8	†John T. Ribbeck	18	Blaster and	Edwardsville			1	1	Falling slate
26	Reinhold Haase	18	Miner	Staunton			1	1	do.
Oct. 11	Daniel Hopp	38	Shot firer	Belleville	1	1	2	3	Falling clod.
14	August Mozart	35	Blaster and	Collinsville	1	1	4	5	Falling slate.
26	John Tetter	25	Trip rider	Troy			1	1	Pit cars
27	John Delaney	48	Miner	Collinsville	1	1	5	6	Falling rock.
27	Henry Sweby	40	do.	do.	1	1	2	3	do.
Nov. 8	Jos. Bowman	56	Mac. helper.	Staunton	1	1	5	6	Falling coal.
Dec. 30	Wm. Koch	22	Miner	Trenton			1	1	do.
1906									
Jan. 10	John Dugan	40	do.	Brookside			1	1	do.
12	Natal Delopp	20	do.	DeCamp			1	1	Falling clod.
19	Jos. Meyer	18	do.	Ogles			1	1	Falling slate.
27	Frank Dennison	22	Shot firer	Marissa	1	1	1	2	Flying coal.
Feb. 19	John Tinakott	63	Miner	Marysville	1	1	3	4	Falling coal.
Mar. 3	Chas. Wall	33	Yard man	Livingston	1	1	4	5	Railroad cars
9	John Wisnoroski	24	Mac. runner.	DeCamp	1	1	4	5	Falling clod.
13	Jos. Matachettiss	45	Blaster and	Marysville	1	1	1	1	Falling coal.
14	Julius Fanch	45	do.	Livingston			1	1	Falling slate
15	Oscar Symmonds	20	Miner	Marissa			1	1	do.
23	Louis Grossman	49	Operator	Smithton	1	1	7	8	Boiler explosion
28	Peter Bohling	24	Mac. helper.	Staunton	1	1	1	2	Falling coal.
Apr. 17	Otto Heitman	17	Driver	Belleville			1	1	Falling slate
28	Louis Hartman	28	Miner	do.	1	1	1	2	do.
May 3	Jos. Michnick	29	Blaster and	DeCamp	1	1	3	4	Falling clod.
4	John Dortt	49	Miner	Richland			1	1	Falling slate
18	Max Euchol	32	Blaster and	DeCamp			1	1	Falling clod.
22	Jule Glaner	36	Miner	Belleville	1	1	3	4	do.
June 23	Jos. Abrahams	28	Blaster and	Livingston	1	1	1	1	do.
Total					19	19	60	13	79

* Died Sept. 17, 1905.

† Died May 10, 1905.

‡ Died Feb. 5, 1906.

Recapitulation of Fatal Casualties—Eighth District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Belleville	5	Blaster and l.	7	Explosion of boiler.	1	Breese-Trenton Coal Co.	1
Brookside	1	Driver	2	Falling clod.	4	Consolidated Coal Co.	1
Caseyville	1	Mac. helper	2	Falling coal	7	DeCamp Coal Co.	4
Collinsville	3	Mac. runner	1	Falling coal & slate.	2	Donk Bros. Coal Co.	6
DeCamp	4	Miner	14	Falling rock	3	Grossman's mine	1
Edwardsville	1	Operator	1	Falling slate	10	Johnson Coal Co.	1
Glen Carbon	1	Shot firer	3	Flying coal	1	Jones Bros. Coal Co.	1
Livingston	2	Trip rider	1	Pit cars	2	Lumag Coal Co.	1
Marissa	2	Yardman	1	Railroad cars	1	Madison Coal Co.	3
Marysville	2			Shot blown through rib.	1	Mt. Olive & Staunton C. Co.	3
Ogles	1				1	Murphy's mine	1
Richland	1				1	New Staunton Coal Co.	3
Smithton	1				1	Richland mine	1
Staunton	3				1	St. Louis & O'Fallon C. Co.	4
Trenton	1				1	Southern Coal Mining Co.	1
Troy	2						
Totals	32		22		22		22

Showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages—Eighth District—July 1, 1906.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Percent of Injuries.
					Total Days.	Average Days.	
broken	1		1		50	50.00	1.39
ken	6	4	2	13	332	55.33	8.59
red	4	3	1	8	60	30.00	5.55
red	16	10	6	27	639	63.55	22.22
e broken	1		1		60	60.00	1.39
oyed	1	1		5			1.39
arm injured	1		1		42	42.00	1.39
ut off	1		1		66	66.00	1.39
njured	1	1		2	30	30.00	1.39
red	7	3	4	12	341	48.71	9.72
red	4	3	1	12	93	31.00	5.55
body injured	1	1		4	30	30.00	1.39
red	3		3		96	31.67	4.17
tured	1	1		6			1.39
ten	14	7	7	22	859	78.09	19.44
off	2		2				2.78
red	4	2	2	7	120	40.00	5.56
oot injured	1		1		40	40.00	1.39
ten	1		1		35	35.00	1.39
injured	1	1		3	45	45.00	1.39
ured	1		1		32	32.00	1.39
all, averages and percentages..	72	37	35	121	3,029	54.09	100.00

Non-Fatal Casualties—Eighth District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1906									
Apr.	3 John Daniels.....	19	do.....	1	1			Body bruised, pit car.....	45
	19 Chas. Carey.....	24	do.....	1	1			Leg broken, flying coal....	80
May.	5 Wm. Green.....	32	do.....	1	1	2		Leg broken, falling pipe....	80
	7 Jos. Zarubah.....	45	Edwardsville..	1	2	3		Body bruised, falling coal..	80
	11 John Buechler.....	25	Belleville.....	1	1	2		Arm broken, falling slate..	80
	Totals.....			37	35	84	121		

*Not recovered July 1, 1906.
 Total number of men injured.....
 Not recovered July 1, 1906.....
 Number recovered July 1, 1906.....
 Time lost by men recovered, days.....
 Average time lost by men recovered, days.....

Recapitulation of Non-fatal Casualties—Eighth District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Belleville.....	6	Blaster & load.	21	Explosion of boiler.	1	Consolidated Coal Co.....	
Birkiner.....	2	Cager.....	4	Cage.....	1	DeCamp Coal Co.....	
Caseyville.....	1	Carpenter.....	1	Caught in machine.	2	Donk Bros.....	
Collinsville.....	15	Driver.....	17	Drilling out shot....	1	Eureka.....	
DeCamp.....	1	Machinist.....	1	Falling clod.....	9	Grossman mine.....	
Donkville.....	1	Mach. helper..	3	Falling coal.....	14	Home-trade Coal Co.....	
Edwardsville..	2	Mach. runner..	5	Falling pipe.....	1	Lumaghi Coal Co.....	
Glen Carbon..	14	Miner.....	13	Falling prop.....	1	Madison Coal Co.....	
Livingston.....	2	Mine examiner	1	Falling rock.....	1	Mt. Olive & Staunt'n C.Co.	
Marietta.....	1	Mine manager.	1	Falling slate.....	13	New Staunton Coal Co...	
Maryville.....	12	Roadman.....	2	Flying coal.....	3	Prairie Coal Co.....	
Rentchler.....	1	Shot firer.....	2	Kicked by mule.....	2	Rentchler Mine.....	
Smithton.....	1	Topman.....	1	Pit cars.....	21	Royal Coal Co.....	
Staunton.....	6			Shaker screen.....	2	St. Louis & O'Fallon C.Co	
Troy.....	5					Southern Coal & Ming. Co	
Worden.....	2						
Totals.....	72		72		72		

Table Showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages—Eighth District—July 1, 1906.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Percent of injuries.
					Total Days.	Average Days.	
Ankles broken	1		1		50	50.00	1.39
Arms broken	6	4	2	13	332	55.33	8.33
Back injured	4	3	1	8	60	30.00	5.55
Body injured	16	10	6	27	699	63.55	22.22
Collarbone broken	1		1		60	60.00	1.39
Eye destroyed	1	1		5			1.39
Face and arm injured	1		1		42	42.00	1.39
Fingers cut off	1		1		66	66.00	1.39
Fingers injured	1	1		2	30	30.00	1.39
Foot injured	7	3	4	12	341	48.71	9.72
Head injured	4	3	1	12	93	31.00	5.55
Head and body injured	1	1		4	30	30.00	1.39
Hips injured	3		3		95	31.67	4.17
Knee fractured	1	1		6			1.39
Legs broken	14	7	7	22	869	78.09	19.44
Legs cut off	2		2				2.78
Legs injured	4	2	2	7	120	40.00	5.55
Leg and foot injured	1		1		40	40.00	1.39
Nose broken	1		1		35	35.00	1.39
Shoulder injured	1	1		3	45	45.00	1.39
Wrist injured	1		1		32	32.00	1.39
Totals, averages and percentages..	72	37	35	121	3,029	54.09	100.00

~~Long Term~~ ~~Short Term~~ ~~Term~~

		REVENUE FUND				
Number	NAME OF OPERATOR	Percentage Interest in Fund	Amount of			
			1,000,000	1,000,000	100,000	10,000
REVENUE FUND						
1	California State Lottery Co.	100%	1.00	2.00		1
2	California State Lottery Co.	100%		2.00		1
Total			1.00	2.00		2

Amount reported for 1991 :
 \$0.00
 • Amount in 1991 : 2

Bond County—Eighth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Average number of miners.			All other employes.	Total.		
817	129,227	\$153,761	119,518	.....	3,220	6,489	162	129,227	124	59	183	1
.....	1,294	1,632	1,144	.....	150	.....	30	1,294	8	12	20	2
817	130,521	\$155,393	120,662	.....	3,370	6,489	162	130,521	132	71	203	

STATISTICS OF LABOR

Madison County—Eighth District—1906.

OUTLET OF MISB-

NAME OF OPERATOR	Presented address of the mine.	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	
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Madison County—Eighth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
4,833	349,455	\$310,398	343,817	.....	805	4,833	209	.....	195	88	283	1
.....	343,184	302,348	332,859	2,060	761	7,504	184	343,184	360	144	504	2
5,210	324,232	300,557	311,774	5,306	1,942	5,210	206	.....	210	96	306	3
.....	284,225	254,229	273,435	.....	1,683	9,107	200	.....	230	162	392	4
.....	249,529	262,737	240,362	.....	4,096	5,071	210	249,529	250	127	377	5
5,000	218,414	190,022	213,414	.....	.....	5,000	176	.....	216	127	343	6
16,394	204,931	191,309	177,345	2,398	.....	25,188	180	2,508	118	117	235	7
16,297	203,188	194,201	174,221	.....	3,707	25,260	181	1,937	110	110	220	8
18,549	185,490	159,986	174,436	46	4,169	6,839	218	.....	125	65	190	9
.....	138,697	130,543	134,557	.....	.....	4,140	262	500	95	47	142	10
7,594	101,953	93,155	87,067	44	7,008	7,834	196	6,497	106	58	164	11
1,988	89,736	79,187	86,052	.....	1,695	1,989	180	.....	80	39	119	12
.....	77,468	76,306	72,758	.....	2,010	2,700	159	.....	60	49	109	13
.....	64,424	63,458	61,632	13,462	6,530	2,800	108	.....	50	61	111	14
3,395	49,536	43,220	39,697	.....	6,530	3,309	154	602	47	23	70	15
.....	41,852	48,868	37,840	.....	2,750	1,262	111	.....	78	52	130	16
.....	32,161	33,768	28,551	.....	1,600	2,010	185	32,161	40	24	64	17
2,225	29,710	23,768	27,485	.....	.....	2,225	202	.....	45	18	63	18
81,485	2,988,185	\$2,758,059	2,797,302	23,316	45,286	122,281	184	636,918	2,415	1,407	3,822	
2,671	13,245	\$16,352	.....	.....	12,345	900	270	13,245	17	9	26	1
1,071	9,647	14,379	.....	.....	8,476	1,171	260	9,647	10	6	16	2
269	5,809	9,124	.....	.....	5,540	269	272	5,809	6	3	9	3
.....	2,400	3,600	.....	.....	2,400	.....	260	2,400	7	1	8	4
.....	2,512	2,512	.....	.....	2,512	.....	245	2,512	5	2	7	5
.....	2,104	3,156	.....	.....	2,104	.....	180	2,104	7	2	9	6
.....	1,233	2,466	.....	.....	1,233	.....	150	1,233	5	1	6	7
.....	1,075	1,613	.....	.....	1,075	.....	175	1,075	3	1	4	8
.....	900	1,800	.....	.....	900	.....	150	900	3	1	4	9
.....	848	1,272	.....	.....	848	.....	150	848	6	1	7	10
.....	765	1,147	.....	.....	765	.....	130	765	5	1	6	11
.....	680	1,020	.....	.....	680	.....	135	680	4	1	5	12
.....	528	1,056	.....	.....	528	.....	120	528	3	1	4	13
.....	460	690	.....	.....	460	.....	105	460	3	1	4	14
.....	431	754	.....	.....	431	.....	175	431	3	1	4	15
.....	360	540	.....	.....	360	.....	150	360	2	1	3	16
.....	209	418	.....	.....	209	.....	54	209	1	1	3	17
.....	162	243	.....	.....	162	.....	65	162	3	1	4	18
4,011	43,368	\$62,142	.....	.....	41,028	2,340	169	43,368	94	35	129	
85,496	3,031,553	\$2,820,202	2,797,302	23,316	86,314	124,621	.....	680,286	2,509	1,442	3,951	

St. Clair County—Eighth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pes or screenings.
SHIPPING MINES.							
1	St. Louis & O'Fallon Coal Co. No. 1.	East St. Louis.	251,863	79,356			24,094
2	St. Louis & O'Fallon Coal Co. No. 2.	do.	26,969	136,823		32,104	55,519
3	Consolidated Coal Co. No. 17	Collinsville	63,788	106,313			42,525
4	Southern Coal & Mining Co. No. 6	Belleville	57,280	68,720	296	385	26,580
5	Royal Coal & Mining Co.	do.	39,643	97,215			21,714
6	Superior Coal & Mining Co.	do.	6,932	103,002		2,784	36,191
7	Suburban Coal & Mining Co.	do.	45,594	68,502		3,630	23,514
8	Prairie Coal Co.	do.	80,000	25,000		5,000	10,000
9	Jos. Taylor Coal Co. Bridge.	O'Fallon		77,100		2,394	30,132
10	International Coal & M. Co. Carbon.	do.	5,356	65,426		19,426	18,315
11	Jos. Taylor Coal Co. St. Ellens.	do.	12,000	55,732			28,420
12	Southern Coal & Mining Co. No. 1.	Belleville		75,764		737	21,929
13	Jos. Taylor Coal Co. Taylor.	O'Fallon	54,310	22,090			10,769
14	Kobb Coal Co.	Mascoutah	18,000	40,000		9,500	10,500
15	Southern Coal & Mining Co. No. 3.	Belleville	11,250	54,785			17,595
16	Fullerton Coal Co. Skellett.	do.	14,500	43,000		2,300	21,200
17	Consolidated Coal Co. Green Mount.	Collinsville	23,320	38,865			15,546
18	Southern Coal & Mining Co. No. 8.	Belleville	7,345	26,971	12,615	7,467	20,251
19	Madison Coal Corporation No. 7.	Ogles.	2,301	48,086	880	5,559	14,774
20	Boards Coal Co. No. 1.	Marissa	10,420	43,508		5,458	8,973
21	Breese-Trenton Coal Co. Trenton.	Trenton		44,639		6,981	1,420
22	Summitt Co. St. & Mining Co.	Belleville	21,941	33,364	400		10,285
23	Belleville & O'Fallon Coal Co.	do.	41,900	22,100			1,250
24	Valley Coal Co.	Mascoutah		39,933		6,655	13,311
25	Johnson Coal Co. O-K	Marissa	5,000	46,037		4,846	3,635
26	Missouri & Illinois Coal Co.	Rentchler	22,345	28,448			3,404
27	Marissa Coal Co.	Marissa		41,476			12,293
28	Jones Bros. Coal Co. Eureka.	do.	7,202	33,763		3,084	4,856
29	Hibbard Coal Co. No. 1.	Belleville		29,991			18,377
30	Southern Coal & Mining Co. No. 7.	do.	6,632	27,858		265	12,739
31	Southern Coal & Mining Co. No. 4.	do.	5,620	29,470			9,544
32	Avery Coal Co. Randall.	Freeburg	11,482	23,504	879	1,534	4,563
33	Glendale Coal & Mining Co.	Belleville		30,216	2,233	461	8,380
34	Boards Coal Co. No. 2.	Marissa	5,281	21,262	8,150	682	6,533
35	Pittsburg Mining Co.	Belleville	10,469	27,972			5,234
36	Tirrie Coal & Mining Co.	Lenzburg	43,439				
37	L. Senior (Branch).	Belleville	20,000	11,878			5,939
38	Enterprise Coal Co.	Rentchler	13,265	21,165			2,000
39	Highland Coal Co.	Belleville	3,780	22,000		3,000	6,474
40	Johnson Coal Co. (Sunlight)	Freeburg.		23,590		3,538	5,731
41	Mo. & Ill. Coal Co. (Weiderman)	Wilderman	12,795	11,845	72	295	6,594
42	Kolb Coal Co. No. 1.	New Athens	16,200	13,364			2,745
43	Silver Creek Coal & M. Co. (Darrow)	O'Fallon	620	21,000			10,680
44	Mo. & Ill. Coal Co. (St. Clair)	Freeburg.	21,505	5,876			1,580
45	Herman Phil (Lesse) (Con. Coal Co.)	Richland	21,422	5,860			1,220
46	White & Nesbit (Hortman)	Belleville	18,000	8,000			2,500
47	Hibbard Coal Co. (Walnut)	do.	4,146	5,968	12,480		3,174
48	Southern Coal & Mining Co. No. 5.	do.	13,776	13,211			431
49	Humboldt Coal Co.	do.		25,000			900
50	Fred Murphy (Branch).	do.	6,000	17,000			2,000
51	Avery Coal Co. (Oak Ridge)	Marissa	5,810	12,637	230	2,030	1,056
52	Southern Coal Co. No. 2.	Belleville	5,923	10,942			4,479
53	International C. & M. Co. (Bennet.)	O'Fallon		15,326	3,321	1,326	1,421
54	T. M. Meek Coal Co.	Marissa	13,700	5,243		230	864
55	Dutch Hill Coal Co.	New Athens	10,20	6,700		1,200	2,000
56	Avery Coal Co. (Advance)	Marissa	1,654	14,272			2,260
57	Johnson Coal Co. (Gartside)	Belleville		11,921		4,899	210
58	Kolb Coal Co. (Fairbanks) No. 2.	Lenzburg	8,468				
Totals			1,109,446	2039,093	41,056	132,770	638,617

St. Clair County—Eight District—Continued.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYES.		
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Average number of miners.			All other employes.	Total.	Number.
150	355,463	\$290,499	349,413	3,050	350	2,650	218	355,463	250	79	329	1
100	251,515	199,878	248,265		150	3,100	280		140	55	195	2
	212,626	173,290	204,967		110	7,549	204		140	71	211	3
6,000	159,261	120,328	132,977	19,211	698	6,375	210	159,261	105	53	158	4
	158,572	137,615	158,572				219	52,657	100	39	139	5
	148,909	114,048	146,954			1,955	210		100	37	137	6
	141,241	110,604	139,261		420	1,560	240	141,241	88	23	111	7
	120,000	97,000	114,000	2,000	2,000	2,000	225	120,000	50	40	90	8
5,595	115,221	84,281	108,226		1,400	5,595	200	115,221	91	39	130	9
360	108,883	89,520	108,403		120	360	290	108,883	80	32	112	10
10,030	106,182	68,688	95,352	800		10,030	210	106,182	69	28	97	11
3,477	101,907	78,137	98,395		35	3,477	147		80	35	115	12
3,680	90,840	70,210	85,710		1,450	3,680	197	90,840	71	33	104	13
10,000	88,000	65,000	52,400	18,000	4,000	13,000	176	88,000	80	25	105	13
3,732	87,362	64,938	83,499		1,113	2,750	191		45	17	62	15
	81,000	63,630	78,000		1,000	2,000	240	81,000	96	26	122	16
	77,731	57,521	74,989		370	2,372	221		30	17	47	17
2,825	77,474	58,794	74,519		130	2,825	158		65	24	89	18
8,385	74,485	60,383	69,901	2,134	188	2,262	190	74,485	50	20	70	19
4,216	72,575	59,651	69,501		1,948	1,126	163	72,575	65	17	82	20
12,400	65,840	96,507	58,015		1,325	6,500	195		65	59	124	21
	65,590	55,614	64,490		100	1,000	225	65,590	40	15	55	22
3,000	65,250	58,152	63,990			1,290	210	65,250	60	18	78	23
1,057	62,899	42,895	59,899			3,000	180	62,899	45	12	57	24
1,926	60,575	58,623	59,022			1,553	218	60,575	40	13	53	25
1,200	56,123	52,967	54,072		125	1,926	124	56,123	56	22	78	26
1,893	54,968	45,898	52,868		900	1,200	168	54,968	44	24	68	27
1,800	50,798	36,928	47,117		1,788	1,893	148	50,798	34	16	50	28
2,125	50,168	32,347	48,368			1,800	216		50	18	68	29
2,450	49,613	36,374	47,479		9	2,125	144	49,613	54	18	72	30
2,546	47,084	34,759	42,963		1,771	2,350	144		38	17	55	31
3,210	44,508	33,438	41,083		879	2,546	150	44,508	35	12	47	32
2,430	44,500	33,938	37,443		3,847	3,210	154		38	20	58	33
	44,328	33,740	41,883	25		2,430	156	5,100	32	22	54	34
	43,675	37,042	31,408		7,033	5,234	210	43,675	40	9	49	35
	43,439	36,923	43,439				102	43,436	48	15	63	36
	37,817	33,848	31,677		5,390	750	249	37,817	27	11	38	37
397	36,827	29,751	36,330		100	397	240	36,827	21	9	30	37
1,356	36,610	31,744	29,579	1,063	7,832	7,136	275	36,610	30	8	38	39
842	33,701	30,229	31,194		1,685	822	210	33,701	30	12	42	40
1,670	33,274	27,609	31,529		75	1,670	111	33,274	30	15	45	41
1,000	33,300	28,067	32,309			1,000	111	33,309	35	9	44	42
	32,310	28,803	29,310	512	1,488	1,000	140	32,310	40	27	67	43
823	29,784	26,532	28,911		50	823	100	29,784	26	12	38	44
	28,502	23,486	27,684		218	600	167	28,502	38	6	44	45
	28,500	23,400	29,700		7,200	600	97	28,500	18	10	28	46
2,400	28,168	22,659	12,480		700	2,400	229	28,168	30	14	44	47
600	28,018	23,100	23,761		2,618	1,639	175	28,018	27	10	37	48
	25,900	25,360	25,400			500	200	25,900	25	12	37	49
	25,000	24,500	24,500			500	220	25,000	15	4	19	50
2,448	24,211	20,759	21,427	200	136	2,448	94	24,211	30	17	47	51
1,205	22,549	16,598	21,844			1,205	157	22,549	25	13	38	52
710	22,104	24,625	18,329		2,275	1,000	200		40	24	64	53
235	20,272	16,580	19,969		68	235	175	20,272	15	6	21	54
	20,100	16,380	13,000		6,000	1,100	225	20,100	13	6	19	55
1,074	19,260	17,260	15,958		2,228	1,074	139	19,260	20	6	28	56
	17,030	14,519	13,820			3,210	130		20	13	33	57
750	9,218	7,273	8,468			750	92	9,218	10	4	14	58
110,097	4,071,079	3,303,322	3,796,130	59,475	71,322	144,152	189	2,721,676	3,039	1,270	4,309	

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12. Unit Review—English History—Continued

[illegible]

Low mine, 13.
Abandoned mine.
Lines in 1906.

St. Clair County—Eight District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	Number.
.....	12,770	\$19,155	.....	.....	12,770	.....	249	12,770	10	5	15	1
.....	12,000	18,000	.....	.....	12,000	.....	300	12,000	7	3	10	2
.....	11,073	16,610	.....	.....	11,073	.....	245	11,073	11	5	16	3
.....	10,035	15,053	.....	.....	10,035	.....	239	10,035	8	3	11	4
.....	8,000	12,000	.....	.....	8,000	.....	292	8,000	8	1	9	5
.....	6,000	9,000	.....	.....	6,000	.....	285	6,000	6	2	8	6
.....	5,200	7,800	.....	.....	5,200	.....	260	5,200	4	1	5	7
.....	4,796	7,194	.....	.....	4,796	.....	197	4,796	10	1	11	8
.....	4,320	6,480	.....	.....	4,320	.....	180	4,320	6	1	7	9
.....	4,128	6,192	.....	.....	4,128	.....	241	4,128	8	1	9	10
.....	2,894	4,341	.....	.....	2,894	.....	300	2,894	5	1	6	11
.....	2,000	3,000	.....	.....	2,000	.....	125	2,000	5	1	6	12
.....	1,675	2,513	.....	.....	1,675	.....	210	1,675	4	1	5	13
.....	1,560	2,340	.....	.....	1,560	.....	190	1,560	3	1	4	14
.....	1,334	2,001	.....	.....	1,334	.....	150	1,334	2	1	3	15
.....	1,200	1,800	.....	.....	1,200	.....	150	1,200	2	1	3	16
.....	1,100	1,650	.....	.....	1,100	.....	180	1,100	2	1	3	17
.....	1,000	1,500	.....	.....	1,000	.....	165	1,000	2	1	3	18
.....	1,000	1,500	.....	.....	1,000	.....	200	1,000	3	1	4	19
.....	986	1,479	.....	.....	986	.....	180	986	3	1	4	20
.....	800	1,200	.....	.....	800	.....	60	800	4	1	5	21
.....	420	630	.....	.....	420	.....	250	420	3	1	4	22
.....	149	224	.....	.....	149	.....	300	149	1	1	2	23
.....	1,500	1,200	.....	.....	1,500	.....	90	1,500	5	3	8	24
.....	1,000	1,000	.....	.....	1,000	.....	60	1,000	6	3	9	25
.....	96,940	143,860	.....	.....	96,940	.....	204	96,940	128	42	170	
110,097	4,168,019	\$3,447,182	3,796,130	59,475	168,262	144,152	.....	2,818,616	3,167	1,312	4,479	

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Bond	2	6,071	91,459	.....	78	32,096	817	130,521	\$0.52	.....
Madison	18	517,547	1,497,282	161,813	130,741	599,317	51,485	2,988,185	0.52	\$0.45
St. Clair.....	88	1,109,446	2,089,093	41,056	132,770	628,617	110,097	4,071,079	0.52	0.45
Totals and av.	78	1,633,064	3,627,834	202,869	263,589	1,270,030	192,399	7,198,785	\$0.52	0.45

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Madison	18	23,740	13,087	.....	2,530	.....	4,011	43,368	\$0.6323	.....
St. Clair.....	25	94,440	2,000	.....	.....	500	.....	96,940	0.52	.....
Totals and av.	43	118,180	15,087	.....	2,530	500	4,011	140,308	\$0.5702	.....
Totals, district— all mines	121	1,751,244	3,642,921	202,869	266,119	1,270,530	196,410	7,330,093	.....	.....

Counties—Eighth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employes.	Total.
162	130,521	.....	\$1.24	\$1.522	.....	\$1.18	\$0.2656	\$0.10	132	71	203
184	636,918	2,351,267	0.8972	1.128	\$1.1349	0.8854	0.4791	0.2116	2,415	1,407	3,822
189	2,721,676	1,348,403	0.8198	1.011	1.0163	0.6365	0.3171	0.1170	3,039	1,270	4,309
187	3,469,115	3,700,670	\$0.846	\$1.07	\$1.11	\$0.7601	\$0.3922	\$0.157	5,586	2,748	8,334

Counties—Eighth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYES.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employes.	Total.
189	43,368	.....	\$1.4457	\$1.84	.....	\$1.00	.....	\$0.30	94	35	129
204	96,940	.....	1.50	1.00	.....	.....	\$0.40	.....	128	42	170
189	140,308	.....	\$1.489	\$1.73	.....	\$1.00	\$0.40	\$0.30	222	77	299
.....	3,629,423	3,700,670	.....	.....	.....	.....	.....	.....	5,808	2,825	8,633

Whole number of mines reported in 1905, 113.

Number of new mines opened during the year, 15.

Number of mines exhausted or abandoned during the year, 7.

Whole number of mines reported for 1906, 121.

NINTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties—Clay, Clinton, Edwards, Franklin, Hamilton, Jefferson, Lawrence,
Marion, Perry, Randolph, Richland, Wabash, Washington, Wayne, White.

JOHN DUNLOP, *Inspector*, Centralia, Illinois.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois.

SIR—In compliance with the law of the State of Illinois, defining the duties of the State inspectors of coal mines, I have the honor to herewith submit the first annual report of the ninth inspection district for the year ending June 30, 1906.

The coal producing counties in this district are: Clinton, Marion, Washington, Jefferson, Randolph, Perry, Franklin and White. The report contains tabulated statements showing the number of mines in operation, both shipping and local, and other matters pertaining to the operation of the mines.

The following is a summary for all the counties in the district:

Total number of mines.....	62
Number of shipping mines.....	52
Number of local mines.....	10
Number of new mines.....	8
Number of abandoned mines.....	6
Number of miners.....	4,167
Number of others underground.....	1,166
Number of boys underground.....	150
Number of employes above ground.....	897
Total number of employes.....	6,880
Total tons produced, all grades of coal.....	4,132,639
Aggregate value of the total product, all mines.....	\$3,837,341
Tons loaded on cars for shipment.....	3,483,269
Tons supplied to locomotives.....	333,951
Tons sold to local trade.....	164,329
Tons consumed and wasted at the mines.....	151,090
Average number of days of active operation, shipping mines.....	183
Tons mined by hand.....	2,935,337
Tons mined by machines.....	1,197,302
Number of machines in use.....	129
Number of kegs of powder consumed.....	120,584
Number of fatal accidents.....	16
Number of non-fatal accidents.....	21
Number of wives made widows.....	13
Number of children made dependent.....	33
Number of employes to each fatal accident.....	354
Number of tons of coal to each fatal accident.....	229,591
Ratio of fatal accidents per 1,000 persons employed.....	2.3
Number of employes to each non-fatal accident.....	304
Number of tons of coal to each non-fatal accident.....	196,792

The law increasing the number of mine inspection districts of the State from seven to ten, which went into effect July 1, 1905, made this one of the additional or new districts. Of the coal producing counties now composing the ninth district Clinton and Marion were formerly in the sixth district, while the counties of Franklin, Jefferson, Perry, Randolph, Washington and White were transferred from the seventh district.

The following table shows the coal production of the counties forming the ninth district with the increase or decrease for the years 1905 and 1906:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL—IN TONS.		Increase.	Decrease.
	1905.	1906.		
Clinton.....	904,826	770,689		134,137
Franklin.....	136,788	387,230	250,442	
Jefferson.....	30,236	20,292		9,944
Marion.....	1,086,350	828,280		260,070
Perry.....	1,268,718	1,453,766	185,048	
Randolph.....	506,547	572,001	65,454	
Washington.....	78,315	95,796	17,481	
White.....	1,000	6,585	5,585	
Totals.....	4,012,780	4,132,639	524,010	404,151
Net increase.....		119,859		

The counties of Clinton, Jefferson and Marion show a decrease in tonnage from last year, aggregating 404,151 tons, that of Marion county being over a quarter of a million of tons. Notwithstanding this large decrease it is over come by the increase in tonnage of Franklin, Perry and Randolph counties. Franklin county shows an increase of 250,442 tons, or over 183 per cent.

NEW MINES.

Many new mines are being put down in this district, which will be in operation next year. The location of the new mines and the name of the companies are: The Franklin County Construction Co., located six and one-half miles northwest of Benton; W. P. Rend, Chicago, is president of this company. The Franklin County Colliery Co., located ten miles north of Christopher; the United Colliery Co., and the Zeigler District Colliery Co. are located at Christopher; the Big Muddy and Carterville Coal Co., located three miles southwest of Zeigler, and the Hart-Williams Coal Co., near Benton, all in Franklin county; and the Coöperative Coal & Manufacturing Co. located at Breeze, Clinton county.

FATAL ACCIDENTS.

July 17, 1905. J. E. Cardwell, mine examiner, aged 25 years, married, was killed by falling down the air shaft of the Zeigler Coal Co.'s mine at Zeigler, a distance of 417 feet. He leaves a widow and one child.

August 18, 1905. Adge Howell, laborer, aged 28 years, married, employed underground at the Forester Coal and Coke Co.'s mine. Duquoin, Perry county, was killed by falling slate. He leaves a widow and two children.

August 26, 1905. S. P. Wilson, miner, aged 47 years, married, employed at the New Moon mine, Duquoin, Perry county, was killed by falling slate at the working face. He leaves a widow and six dependent children.

September 13, 1905. John Rice, shot firer, aged 25 years, married, employed a shot firer at the Gallatin Coal Co.'s mine, Nashville, Washington county, going back to fire a shot in a room, was killed by falling slate. He leaves a widow and three children.

November 1, 1905. Konstantine Andreyewski, miner, aged 55 years, employed at the Gallatin Coal Co.'s mine, Nashville, was killed by falling rock at the face of his room, while loading a car of coal. He leaves a widow and six children. All the children except one can provide for themselves.

November 11, 1905. Charles Swartz, pumpman, aged 40 years, married, employed at the Dering Coal Co.'s mine No. 11, West Frankfort, Franklin county, was engaged in making repairs on a pump near the bottom of the shaft. The carriage had been stopped at the lower landing to send down tools. In putting on a grip bar it missed the car and fell down the shaft, striking Swartz, killing him instantly. He leaves a widow.

November 12, 1905. Joseph McCrary, loader, aged 31 years, married, was employed also as a shot firer at the Avery Coal Co.'s mine, located at Winkle. After lighting a shot, which proved to be badly charged, was about to open a trap door when the shot exploded, the force of which forced the door open, striking him and causing his death. He leaves a widow.

December 6, 1905. Enoch Slortees, machine helper, aged 28 years, single, was fatally injured by falling coal at the face of his room, in the mine operated by the Southern Coal Co., New Baden, Clinton county. He died December 15, 1905.

December 13, 1905. Wesley Batson, miner, aged 43 years, married, was employed at the Pittenger and Davis No. 3 mine, Centralia, Marion county. Deceased was riding on top of a loaded truck and was caught between the load and the roof, receiving injuries from which he died December 21, 1905. He leaves a widow and four children.

January 22, 1906. Antonio Balantini, miner, aged 27 years, married, employed in the Pittenger and Davis No. 3 mine, Centralia, Marion county, was killed by falling slate at the face of his room. He leaves a widow and two children in Italy.

February 17, 1906. E. E. Neal, shot firer, aged 38 years, married, employed in the Benton Coal Co.'s mine No. 1, Benton, Franklin county, was killed by the explosion of two shots that were improperly prepared. Upon investigation it was found that one of the shots was overcharged with powder. He leaves a widow.

February, 22, 1906. John McClelland, machine helper, aged 38 years, single, employed in the Willis Coal Co.'s mine, Willisville, Perry county, was killed by falling coal at the face of a room while shoveling coal after a mining machine.

March 2, 1906. Frank Ernst, miner, aged 44 years, married, employed in the Jupiter Coal Co.'s mine No. 1, Duquoin, Perry county, was killed by falling slate at the face of his room. He leaves a widow and five children.

March 2, 1906. Daniel Griffith, assistant mine manager, aged 43 years, married, employed at the Zeigler Coal Co.'s mine, Zeigler, Franklin county, was assisting a miner in taking down some top coal which gave way unexpectedly, falling on him, causing his death. He leaves a widow and four children.

March 25, 1906. Michael Debra, trapper, aged 17 years, employed in the Zeigler Coal Co.'s mine, Zeigler, Franklin county. For some unknown reason he got in front of an electric motor, which knocked him down, running over his body, killing him instantly.

March 26, 1906. William Teeple, shot firer, aged 49 years, married, employed in the Pittenger and Davis mine No. 4, Centralia, Marion county went back to examine a shot that he supposed had missed fire, when the shot exploded, the flying coal killing him instantly. He leaves a widow and two children.

March 27, 1906. William H. Jeremiah, shot firer, aged 45 years, employed in the Willis Coal Co.'s mine, Willisville, Perry county, had lit a shot in one room and went into the adjoining room when the shot exploded, blowing through the pillar. A piece of coal from the shot struck him on the forehead, killing him instantly. He leaves a widow and three children.

May 5, 1906. Florini Boucher, sinker, aged 26 years, single, employed in the United Coal Co.'s mine at Christopher, Franklin county, when a loaded bucket had nearly reached the top landing it overturned, the contents falling to the bottom of the shaft. Part of the slate struck deceased on the head, causing instant death.

Respectfully submitted,

JOHN DUNLOP,

State Inspector of Mines, Ninth District, Centralia, Illinois.

Fatal Casualties—Ninth District—July 1, 1906.

Date.	Name.	Occupation.	Residence. (Town)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
		Age.							
1905									
July 17	J. E. Cardwell.....	25 Mine exam'r	Ziegler.....	1	1	1		2	Falling down shaft..
Aug. 18	Adge Howell.....	28 Laborer.....	Duquoin.....	1	1	2		3	Falling slate.....
26	S. P. Wilson.....	47 Miner.....	do.....	1	1	6		7	do.....
Sept. 13	John Rice.....	25 Shot firer...	Nashville.....	1	1	3		4	do.....
Nov. 1	K. Andreyewski.....	55 Miner.....	do.....	1	1	6		2	do.....
11	Chas. Swartz.....	40 Pumpman.....	W. Frankfort..				1		Grip bar.....
12	Jos. McCrary.....	31 Loader.....	Winkle.....	1	1			1	Blownout shot.....
Dec. 6	Enoch Slortees.....	28 Mach. helper	New Baden.....				1		Falling coal.....
15	Wesley Batson.....	43 Miner.....	Centralia.....	1	1	4		5	Pit car and roof.....
1906									
Jan. 22	Anton Balantini.....	37 do.....	do.....	1	1	2		3	Falling slate.....
Feb. 17	E. E. Neal.....	38 Shot firer.....	Benton.....	1	1			1	Blast explosion.....
22	J. M. McClelland.....	38 do.....	Willisville.....				1		Falling coal.....
Mar. 2	Frank Ernest.....	44 Miner.....	Duquoin.....	1	1	5		6	Falling slate.....
2	Dan Griffith.....	43 Asst. mine m	Zeigler.....	1	1	4		5	Falling coal.....
25	Mike Debre.....	17 Trapper.....	do.....				1		Motor.....
26	Wm. Teeple.....	49 Shot firer.....	Central City...	1	1	2		3	Flying coal.....
27	W. H. Jeremiah.....	45 do.....	Willisville.....	1	1	3		4	do.....
May 5	Florine Boucher.....	26 Sinker.....	Christopher.....				1		Fall'g slate down shft
	Totals.....			13	13	38	5	46	

Recapitulation of Fatal Casualties—Ninth District—July 1, 1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Benton.....	1	Mine manager	1	Falling coal.....	3	Avery mine.....	1
Central City.....	1	Laborer.....	1	Falling down shaft..	1	Benton Coal Co.....	1
Centralia.....	2	Examiner.....	1	Falling slate.....	6	Dering Coal Co.....	1
Christopher.....	1	Loader.....	1	Flying coal.....	2	Gallatin Coal & Coke Co..	2
Duquoin.....	3	Machine help'r	1	Grip bar.....	1	Jupiter mine.....	1
Nashville.....	2	Miners.....	5	Motor.....	1	Ney Moon Mining Co.....	1
New Baden.....	1	Pumpman.....	1	Pit car and roof.....	1	Paradise.....	1
West Frankfort.....	1	Shot firers.....	5	Blast explosion.....	1	Pope & Davis.....	1
Willisville.....	2	Sinker.....	1	Blownout shot.....	1	Southern Mining Co.....	1
Winkle.....	1	Trapper.....	1	Fall'g slate down sh	1	United Coal Co.....	1
Zeigler.....	3					Willisville Coal Co.....	1
						Zeigler Coal Co.....	3
Totals.....	18		18		18		20

Non-Fatal Casualties—Ninth District—July 1, 1906.

ate.	Name.	Age.	Residence. (Town)	Married.	Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905									
y	5 Ed. Norton	31	Centralia	1	..	2	3	Shoulder bruised, falling timber	30
	14 Hy. Neidmeir	45	do.	1	..	4	5	Foot injured, falling coal	30
	30 David Griner	32	do.	1	..	3	4	Body burned, gas explosion	196
	30 Jacob Elliot	24	do.	1	..	2	3	do.	100
g.	3 John Solis	53	do.	1	..	6	7	Back and side injured, falling slate	30
	5 Albert Schilling	23	do.	1	..	1	2	*Leg broken, pit cars	120
	9 Henry Taylor	30	do.	1	..	..	1	Jaw broken, falling rock	92
	16 John Mondy	28	do.	1	..	3	4	Foot injured, falling rock	55
pt.	29 A. J. Lehman	28	Zeigler	1	..	..	1	Foot mashed, mining mach.	30
t.	4 J. W. Clark	36	Centralia	1	..	3	4	Body and hips injured, pit cars	90
iv.	14 John Curtis	31	Odin	1	..	2	3	Leg broken, mining mach.	60
so.	20 Joe Paskarila	18	Zeigler	1	..	..	..	Leg broken, electric motor	90
	11 Henry Roth	39	Centralia	1	..	4	5	Arm injured, fall. from car	30
1906									
n.	24 Wm. Bloom	40	Duquoin	1	..	4	5	Legs injured, falling slate	30
sb.	17 J. M. Heth	23	Zeigler	1	..	..	..	Face and head injured, flying coal	30
	17 Edward McIntyre	30	Benton	1	..	..	1	Body bruised, blast explos'n	90
	20 Gautian Torricella	23	Centalia	1	..	..	1	Foot mashed, falling coal	40
tr.	10 Wm. Storers	28	Duquoin	1	..	1	2	Hips injured, pit cars	30
	13 Ed. Auberry	22	Centralia	1	..	..	..	Hand mashed, elec. motor	52
trii	6 Lucien Nesbit	25	Zeigler	1	..	..	..	Leg broken, pit car	90
ne	15 June Pavliski	32	do.	1	..	..	..	Leg broken, electric motor	100
	Totals			16	5	35	51		

* Amputated.

total number of men injured	21
total time lost—days	1,415
average time lost—days	67.38

capitulation of Non-Fatal Casualties—Ninth District—July 1, 1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
ton	1	Car trimmer	1	Falling coal	3	Benton Coal Co	1
tralia	12	Comp'y man	3	Falling off car	1	Centralia Mining & Mfg. Co	3
uoin	2	Drivers	3	Falling rock	2	Greenwood & Davis	2
n	1	Dumper	1	Falling slate	2	Odin Coal Co	1
gler	5	Electrician	1	Gas explosion	2	Pittenger & Davis M. & M. Co	9
		Mach. runner	1	Machine	2	Zeigler Coal Co	5
		Miners	6	Motor	3		
		Motorman	1	Pit cars	4		
		Shot-firers	3	Blast explosion	1		
		Trip rider	1	Timber	1		
Totals	21		21		21		21

Table Showing the Nature of Injuries, Number of Persons Injured Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Per cent of injuries
					Total days.	Average days.	
Arms injured.....	1	1	.....	5	30	30.00	4.76
Body injured.....	5	5	.....	19	506	101.20	23.81
Face and head injured.....	1	.....	1	.....	30	30.00	4.76
Foot injured.....	4	4	.....	11	155	38.75	19.06
Hand injured.....	1	.....	1	.....	52	52.00	4.76
Hips injured.....	1	1	.....	2	30	30.00	4.76
Jaw broken.....	1	1	.....	1	92	92.00	4.76
Leg broken.....	5	2	3	5	460	92.00	23.81
Leg injured.....	1	1	.....	5	30	30.00	4.76
Shoulder injured.....	1	1	.....	3	30	30.00	4.76
Totals, averages and percentages...	21	16	5	51	1,415	67.88	100.00

Clinton County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Breese-Trenton Mining Co., No. 1...	Breese	17,297	152,067	1,100	900	30,335
2	Trenton Coal Co., South mine.....	Trenton .....	.....	135,209	13,520	15,452	18,565
3	Southern Coal Co., No. 9	New Baden	20,445	59,820	3,913	3,018	38,240
4	Consolidated Coal Co., Breese.....	Breese	111,040	.....	.....	.....	.....
5	Breese-Trenton Mining Co., Buxton..	do.....	5,351	48,239	.....	400	25,539
6	Southern Coal Co., No. 10	Germantown..	16,866	10,743	.....	637	7,740
Totals.....			171,009	406,128	18,533	20,457	120,519

Mines reported for 1905, 7.

Abandoned mines, 1.

Mines in 1906, 6.

Franklin County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES. .							
1	Zeigler Coal Co., No. 1.....	Zeigler.....	10,957	48,340	46,042	87,526	45,730
2	Dering Coal Co., No. 11.....	W. Frankfort.	28,366	24,006	7,140	18,219	21,135
3	Benton Coal Co., No. 1.....	Benton.....	4,639	17,131	3,124	4,504	16,730
Totals			43,962	89,477	56,306	110,349	83,735

Mines reported for 1905, 3.

Mines in 1906, 3.

Clinton County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
18,200	219,949	\$211,525	168,631	40,130	3,786	7,402	200	219,949	160	66	226	1
10,410	193,156	245,633	175,236	.....	7,510	10,410	225	.....	150	117	267	2
.....	125,436	90,326	115,310	.....	1,966	8,160	110	.....	205	94	299	3
.....	111,040	94,384	103,711	.....	1,600	5,729	130	111,040	125	44	169	4
5,433	85,072	76,299	82,924	.....	800	1,348	200	85,072	125	32	157	5
.....	36,036	25,977	31,309	.....	2,677	2,050	121	36,036	45	20	65	6
34,043	770,689	\$744,144	677,121	40,130	18,339	35,099	164	452,097	810	373	1,183	

Franklin County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
.....	238,654	\$265,307	221,893	614	1,985	14,162	275	.....	155	360	515	1
3,400	102,419	103,995	96,459	.....	2,530	3,400	230	.....	65	53	118	2
.....	46,157	41,871	37,889	.....	5,065	3,203	190	30,772	39	24	63	3
3,400	387,230	\$411,173	356,271	614	9,580	20,765	232	30,772	259	437	696	

Jefferson County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINE.							
1	Jefferson County Coal Co	Mt. Vernon ...	14,481	1,858	.....	967	1,735

Mines reported for 1905, 3.
 Abandoned mines, 2.
 Mines in 1906, 1.

Marion County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES							
1	Pittenger & Davis M. & M. Co. No. 3-4	Centralia.....	74, 178	140, 204	31, 408	33, 725	84, 003
2	Centralia Min. & Mfg. Co. No. 2	do.....	2, 207	60, 315	43, 664	30, 864	41, 014
3	Odin Coal Co. No. 1	Odin.....	158	83, 057	.....	23, 387	2, 513
4	Sandoval Coal & Min. Co. No. 2	Sandoval.....	.....	43, 473	.....	.....	21, 362
5	Sandoval Coal & Min. Co. No. 1	do.....	40, 197	.....	.....	.....	.....
6	Kinmundy Coal Co	Kinmundy.....	.....	4, 346	.....	.....	2, 140
Totals—6 mines.....			116, 740	331, 395	75, 072	87, 976	151, 032

Mines reported for 1905, 7.
 Abandoned mines, 1.
 Mines in 1906, 6.

Jefferson County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employés.	Total.	
1,191	20,292	\$22,753	2,086	9,969	7,046	1,191	207	20,292	22	14	36	1

Marion County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employés.	Total.	
36,947	400,465	\$320,562	261,819	93,907	20,826	23,913	221	400,465	342	195	537	1
14,575	192,639	157,445	101,412	47,252	30,127	13,848	200	192,639	190	130	320	2
12,543	121,658	118,157	113,176	.....	2,784	5,698	177	.....	140	63	203	3
.....	64,835	57,632	62,640	.....	.....	2,195	150	44,373	74	24	98	4
.....	40,197	34,971	37,912	.....	1,030	1,225	150	40,197	141	59	200	5
.....	6,486	8,676	5,568	.....	648	270	100	6,486	24	7	31	6
64,065	826,280	\$697,443	582,557	141,159	55,415	47,149	166	684,160	911	478	1,389	

Perry County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Willis Coal & Mining Co. No. 1.....	Willisville.....	272,755				
2	Majestic Coal & Coke Co., Majestic.....	Duquoin.....	9,385	98,680	15,358	5,436	82,887
3	Paradise Coal & Coke Co., Forester.....	do.....	62,036	31,018			62,036
4	Missouri & Illinois Coal Co. No. 4.....	Willisville.....	141,596				
5	White Walnut Coal Co., Wh. Walnut.....	Pinckneyville.....	1,574	41,946	45,271		41,704
6	Duquoin Operating Co., Davis.....	Duquoin.....	11,500	30,744	13,000		49,245
7	Hippard Coal Co., Vulcan.....	do.....	16,921	24,322			8,357
8	Duquoin Fuel Co., Mifflin.....	do.....	2,600	23,229	1,060	3,373	13,900
9	Greenwood-Davis Coal Co.....	do.....	1,800	18,000	2,000	13,200	1,000
10	Bailey Bros. Coal Co. No. 3.....	Sunfield.....	3,749	24,287	2,250	3,115	3,020
11	Little Muddy Coal Co.....	Tamaroa.....	4,335	22,588			10,879
12	Duquoin Coal Co.....	Duquoin.....	27,179				
13	Diamond Fuel Co.....	Sunfield.....		16,590			8,230
14	Imperial Coal & Min. Co., Imperial.....	Duquoin.....	2,947	9,626	4,226	2,180	2,550
15	Brilliant Coal & Coke Co., Horn.....	do.....	2,700	4,610	3,390	3,050	4,530
16	Perry County Coal Co., Perry.....	do.....	1,345	10,720		800	3,335
17	Jupiter Coal & Min. Co. No. 1.....	do.....	2,452	8,967	703	300	2,323
18	Avery Coal & Min. Co., Bald Eagle.....	Winkle.....	1,619	6,641	281	1,568	2,185
19	New Moon Mining Co., New Moon.....	Duquoin.....		4,594		2,756	3,135
20	Strait Coal Co., Strait.....	Pinckneyville.....	4,188	4,701			941
21	Wm. Barnard, Barnard.....	Cutler.....	15,000	11,540			788
22	Jupiter Coal Co. No. 5.....	Duquoin.....	1,882				
Totals.....			587,563	397,713	87,539	35,778	301,047
LOCAL MINES.							
1	J. A. Hummel & C. Davis.....	St. John.....		3,600			
2	John G. Sneider.....	Pinckneyville.....		1,620			866
3	Luke & Jenkel.....	do.....		2,000			
4	Wilson Bros.....	Cutler.....		1,500			
5	John Anderson.....	Pinckneyville.....		800			370
Totals.....				9,520			1,236
Totals—27 mines.....			587,563	407,233	87,539	35,778	302,283

Mines reported for 1905, 26

New mines, 1.

Mines in 1906, 27.

Perry County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.				Average number of miners.	All other employes.	Total.	
272,755	\$319,123	207,136	57,719	4,200	3,700	289	159	78	237	1			
211,746	200,078	207,646		100	4,000	250	211,746	143	46	189	2		
155,092	122,522	147,992	5,600	300	1,200	225	155,092	125	80	205	3		
141,596	127,436	140,174		600	822	227	128,790	110	33	143	4		
133,195	120,453	85,334	43,775	1,386	2,700	180	133,195	152	58	210	5		
104,489	73,142	99,639		2,250	2,600	220	104,489	100	42	142	6		
51,040	37,896	49,355		245	1,440	169	51,040	75	27	102	7		
49,162	38,746	47,812		150	1,200	150	49,162	55	25	80	8		
44,000	49,080	39,880		1,200	2,920	179	44,000	60	24	84	9		
5,126	41,547	38,395	39,741	1,000	806	197	41,547	50	18	68	10		
	37,802	32,811	34,994	1,872	936	143	37,802	55	20	75	11		
	27,179	24,461	25,979		1,200	140	27,179	45	15	60	12		
	24,730	19,711	23,080		750	900	24,730	31	10	41	13		
1,241	22,770	23,545	22,696		74	100	22,770	50	31	81	14		
	18,280	18,154	17,520		60	700	18,280	35	22	57	15		
720	16,920	14,521	16,200		220	500	16,920	31	14	45	16		
335	15,080	16,031	12,637		1,579	864	15,080	42	16	58	17		
1,368	13,662	10,433	12,132		162	1,368	13,662	15	11	26	18		
1,000	11,485	11,590	7,841		2,644	1,000	11,485	30	8	38	19		
500	10,330	9,949	8,812		1,118	400	10,330	12	4	16	20		
1,100	28,428	25,434	21,478	4,727	1,123	1,100	28,428	35	10	45	21		
	1,882	2,353	400		1,482	26	1,882	10	14	24	22		
23,530	1,433,170	\$1,335,894	1,268,478	111,821	21,033	31,838	191	1,147,609	1,420	606	2,026		
3,600	\$4,500				3,600	180	3,600	5	1	6	1		
2,486	1,999				2,486	200	2,486	5	1	6	2		
2,000	1,500				2,000	200	2,000	4	1	5	3		
1,500	2,250				1,500	170	1,500	3	1	4	4		
1,170	1,092				1,170	175	1,170	3	1	4	5		
10,756	\$11,341				10,756	185	10,756	20	5	25			
23,530	1,443,926	\$1,347,235	1,268,478	111,821	31,789	31,838	1,158,365	1,440	611	2,051			

Randolph County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES.				
			Mine run.	Lump.	Egg.	Nut.	Pes or screenings.
SHIPPING MINES.							
1	Moffat Coal Co., No. 1.....	Sparta.....	108,687	7,500			2,500
2	Willis Coal & Mining Co., No. 6.....	Percy.....	104,297				
3	Crystal Coal Co., No. 1.....	Tilden.....	5,625	14,420	19,540	19,525	7,040
4	Tilden Coal Co., No. 1.....	do.....	8,188	29,448		2,535	2,679
5	Illinois Fuel Co., No. 4.....	Sparta.....	44,798				
6	Coulterville Coal Co., Consol.....	Coulterville.....		31,808			7,953
7	Coulterville Mining Co., Consol.....	do.....	21,315	10,568			3,532
8	Eden Coal Co., Eden.....	Sparta.....	31,243				
9	Jones Bros., C & M Co., Eureka No.1.....	Marissa.....	8,800	14,417		493	2,351
10	Illinois Fuel Co., No. 3.....	Sparta.....	20,075				
11	Boyd's Coal & Coke Co., No. 1.....	do.....	36,500	2,500		400	800
Totals.....			387,528	110,661	19,640	22,953	26,874
LOCAL MINES.							
1	Boyle Coal Co.....	Sparta.....	3,400	3,000			
2	J. W. Bixby.....	Blair.....	2,000				
3	C. P. Fellers.....	do.....	1,320				
4	H. M. Welshaw.....	do.....	120				
Totals.....			6,840	3,000			
Totals—15 mines.....			394,368	113,661	19,640	22,953	26,874

Mines reported for 1905, 12.

New mines, 3.

Mines in 1906, 15.

Randolph County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	116,687	\$99,559	115,685	.....	552	450	208	116,687	110	34	144	1
.....	104,297	104,297	100,909	.....	1,828	1,560	199	54,524	94	46	140	2
1,000	67,250	58,370	66,000	.....	250	1,000	150	67,250	50	39	89	3
2,415	45,265	38,527	43,320	.....	695	1,250	110	45,265	58	21	79	4
.....	44,798	40,318	43,268	.....	.....	1,530	168	.....	38	18	56	5
.....	39,760	36,181	39,142	.....	.....	618	125	39,760	45	10	55	6
.....	35,405	29,628	32,030	.....	2,505	870	225	35,405	45	20	65	8
.....	31,243	23,745	30,583	.....	260	400	137	31,243	45	16	61	8
330	26,421	19,375	26,091	.....	.....	330	123	26,421	23	8	31	9
.....	20,075	18,067	19,355	.....	.....	720	215	20,075	21	9	30	10
600	40,800	38,555	36,700	.....	3,500	600	160	40,800	60	25	85	11
4,345	572,001	\$506,622	553,083	.....	9,590	9,328	165	477,430	589	246	835	
.....	6,400	\$8,750	.....	.....	6,400	.....	300	6,400	4	3	7	1
.....	2,000	2,000	.....	.....	2,000	.....	150	2,000	5	2	7	2
.....	1,320	1,320	.....	.....	1,320	.....	150	1,320	5	2	7	3
.....	120	120	.....	.....	120	.....	50	120	1	1	2	4
.....	9,840	\$12,190	.....	.....	9,840	.....	162	9,840	15	8	23	
4,345	581,841	\$518,812	553,083	.....	19,430	9,328	.....	487,270	604	254	858	

Washington County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINES				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Gallatin Coal & Coke Co (Nashville)	Nashville.....	40,142	12,503	317	635	2,233
2	Adam Kuhn.....	DuBols.....		25,000			7,000
	Totals		40,142	40,503	317	635	9,233
LOCAL MINES.							
1	Okawville Coal Co.....	Okawville.....		1,680			330
	Totals—8 mines.....		40,142	42,183	317	635	9,563

Mines reported for 1905, 2.
 New mines, 1.
 Mines in 1906, 3.

White County—Ninth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of mine.	OUTPUT OF MINES				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Norris City Coal Co.....	Norris City...	6,585				

Mines reported for 1905, 1.
 Mines in 1906, 1.

Washington County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
2,937	58,796	854,102	10,953	30,258	14,043	3,542	283	58,796	50	19	69	1
.....	35,000	30,800	32,000	.....	1,500	1,500	60	35,000	60	19	79	1
2,937	93,796	884,902	42,953	30,258	15,543	5,042	283	93,796	110	38	148	1
.....
.....	2,000	82,648	.....	.....	1,802	198	165	2,000	5	11	116	1
2,937	95,796	887,550	42,953	30,258	17,345	5,240	.....	95,796	115	41	156	1

White County—Ninth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	6,585	88,231	720	.....	5,885	480	163	6,585	6	5	11	1

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Clinton	6	171,009	406,128	18,533	20,457	120,519	34,043	770,689	\$0.5191	\$0.4908
Franklin	3	43,962	89,477	56,306	110,349	83,736	3,400	387,230	0.45	0.38
Jefferson	1	14,481	1,858	.....	967	1,795	1,191	20,292	0.53	.....
Marion	6	116,740	331,395	75,072	87,976	151,032	64,065	826,280	0.4817	0.41
Perry	22	587,563	397,713	87,539	35,778	301,047	23,530	1,433,170	0.4908	0.4118
Randolph	11	387,528	110,661	19,640	22,953	26,874	4,345	572,001	0.52	0.41
Washington	2	40,142	40,503	317	635	9,262	2,937	93,796	0.5051	.....
White	1	6,585	.....	.....	.....	.....	.....	6,585	0.53	.....
Totals and av.	52	1,368,010	1,377,735	257,407	279,115	694,265	133,511	4,110,043	\$0.4982	\$0.4194

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total tons produced.	PRICES PAID PER TON FOR	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Perry	5	.....	9,520	.....	.....	1,236	.....	10,756	\$0.6512	.....
Randolph	4	6,840	3,000	.....	.....	.....	.....	9,840	0.5502	.....
Washington	1	.....	1,680	.....	.....	320	.....	2,000	0.52	.....
Totals and av.	10	6,840	14,200	.....	.....	1,556	.....	22,596	\$0.5956	.....
Totals, district— all mines	62	1,374,850	1,391,935	257,407	279,115	695,821	133,511	4,132,639	.....	.....

Whole number of mines reported in 1905, 62.

Number of new mines opened during the year, 5.

Number of mines exhausted or abandoned during the year, 5.

Whole number of mines reported for 1906, 62.

ities—Ninth District—1906.

HOW MINED.		AVERAGE VALUE AT THE MINE.							EMPLOYEES.		
Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.	
452,097	318,592	\$0.8647	\$1.2395	\$1.3412	\$0.7983	\$0.4326	\$0.12	910	373	1,156	
30,772	356,458	1.079	1.3117	1.3361	1.1856	0.5473		250	437	686	
20,292		1.25	1.50		1.00	0.50		22	14	36	
684,160	142,120	0.9036	1.0632	1.00	0.90	0.4586	0.148	911	478	1,399	
1,147,609	285,561	1.0231	1.123	1.1034	1.0737	0.5067		1,420	686	2,625	
477,430	94,571	0.894	1.0287	1.10	0.7258	0.3001		589	248	835	
93,796		0.80	1.2007	0.90	0.80	0.3634		110	28	138	
6,585		1.25						6	5	11	
2,912,741	1,197,302	\$0.954	\$1.1552	\$1.1408	\$0.9937	\$0.4792	\$0.144	4,127	2,197	6,324	

ities—Ninth District—1906.

HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYEES.		
Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
10,756		\$1.1346				\$0.25		20	5	25
9,680		1.1263	\$1.50					15	8	23
2,000			1.50			4.40		5	3	8
22,596		\$1.1263	\$1.2503			\$0.2460		40	15	55
2,935,337	1,197,302							4,107	2,213	6,320

TENTH INSPECTION DISTRICT—1906.

FIRST ANNUAL REPORT.

Counties Gallatin, Jackson, Johnson, Saline, Williamson.

THOMAS LITTLE, *Inspector*, Carbondale.

HON. DAVID ROSS,

Secretary, State Bureau of Labor Statistics, Springfield, Illinois.

SIR—In compliance with the statutes of the State, defining the duties of the State inspectors of coal mines, I herewith submit the first annual report of the coal mines in the tenth inspection district for the year ending June 30, 1906.

A tabular statement is herewith given of the statistics in each county, showing the number of mines operated during the year, both shipping and local; the new and abandoned mines; the depth of coal below the surface with the geological number and thickness of the various coal seams; the number of miners and other employes working in the mines and on the surface; the total tonnage of all grades of coal; the average value of coal at the mines and the aggregate value of the total product in the district, with the casualties in and around the mines, both fatal and non-fatal.

The following summary is given as a recapitulation of the principal facts found in the schedules of the various counties:

Number of counties in which coal is produced	5
Total number of mines	97
Number of shipping mines	66
Number of local mines	31
Number of new mines shipping	10
Number of new mines, local	8
Total tonnage of all mines	5,329,902
Total tonnage of shipping mines	5,331,244
Total tonnage of local mines	38,658
Tons loaded on cars for shipment	4,812,429
Tons supplied to locomotives	72,227
Tons sold to local trade	239,419
Tons consumed and wasted at the mines	208,824
Aggregate value of total product	\$5,054,113
Number of miners in all mines	4,908
Number of other employes underground	1,533
Number of boys underground	100
Number of employes above ground	1,825
Total number of employes	7,370
Average number of days of active operation, shipping mines	189
Number of machines in use	145
Total tons cut by machines	579,619
Total tons produced by hand in all mines	4,750,283
Number of fatal accidents	14
Number of non-fatal accidents	36
Number of wives made widows	10
Number of children left fatherless	32
Number of tons produced for each fatal accident	384,368
Number of tons produced for each non-fatal accident	149,719
Number of persons employed to each fatal accident	548
Number of persons employed to each non-fatal accident	219
Ratio of fatal accidents per 1,000 persons employed	1.9

The coal producing counties now forming the tenth district under the law dividing the State into ten mine inspection districts, instead of seven, which went into effect July 1, 1905, were all formerly in the seventh district.

The following is a comparative table of the tons of coal produced in each of the counties now forming this district for the years 1905 and 1906, showing the increase and decrease in each for the two years:

County.	TOTAL TONS, ALL GRADES OF COAL, IN TONS.		Increase.	Decrease.
	1905	1906		
Gallatin	76,629	99,860	23,231	.....
Jackson	802,101	759,962	.....	42,139
Johnson	2,400	912	.....	1,488
Saline	427,262	601,979	174,717	.....
Williamson	3,815,751	3,927,189	111,438	.....
Totals	5,124,143	5,389,902	309,896	43,627
Net increase .....	.....	265,759	.....	.....

NEW MINES.

The Lake Creek Coal Co., Williamson county, has sunk a shaft two miles north of Johnson City. This shaft is 319 feet deep and is 10 by 14 feet in the clear. The seam is 10 feet thick and good coal. This is No. 7 seam of the geological section. The company has installed a pair of first motion engines 20 by 30 inches, made at Danville, Illinois. Two Eagle boilers, 6 by 18 feet, with 70 4-inch flues. The tower is built of steel and is 30 feet high; self dumping cages are used, and a shaker screen, which was put up by the Illinois Construction Co. The boiler room is 27 by 41 feet, and the engine house is 26 by 36 feet, both built of pressed brick. The blacksmith shop is 30 by 60 feet, fitted with a drill press and lathe, so that the company is prepared to do its own repair work. The sinking of the air shaft has been started. It will be 9 by 13 feet. Coal was reached at this shaft August 9, 1905, but no branch railroad has yet been built to the mine. It is the intention to connect the branch with the Iron Mountain and the Chicago and Eastern Illinois railroads.

The Hamlock Coal Co. has sunk a new shaft one-half mile south of Herrin, in Williamson county. This shaft is 8½ by 15 feet and is 137 feet deep, to a 9½ foot vein of coal, which was reached October 5, 1905. No coal has yet been shipped from this mine. The company is waiting for a railroad switch to be built to connect with the Iron Mountain and the Chicago & Eastern Illinois railroads. A pair of first motion engines have been installed by the Aetna Foundry & Machine Works, at Springfield, Illinois. The engines are 18 by 36 inches, with a 5-foot drum and a 1¼ inch cable. Two boilers, 5 by 16 feet, with 44 4-inch flues. The company has started to sink the air shaft, which is 8½ by 13½ feet. The head frame is 60 feet with a shaker screen. The company is ready to ship coal just as soon as connection is made with the railroad. This shaft is built for a 2,000 ton capacity per day.

The West Virginia Coal Co. has sunk a new shaft two and one-half miles northeast of Marion, Williamson county. The depth of the shaft is 108 feet, and is 9½ by 15 feet. A 7 foot seam of coal was reached April 14, 1906. The company has put in a pair of first motion engines 18 by 32 inches, made by the Crawford & McCrimmon Co., Brazil, Indiana. The drum is from 5 to 6½ feet, with a 1¼ inch cable. The boiler is 6 by 18 feet, with 72 4-inch flues, made by the Gem City Boiler Co., Dayton, Ohio. The wood frame head

tower is 70 feet high; the cages are self-dumping, of the Bond patent, made by the Ellison Machinery & Foundry Co., St. Louis, Mo., with shaker screens. The sheave wheels are 6 feet in diameter. The sinking of the air shaft has been started; it is $11\frac{1}{2}$ by $7\frac{1}{2}$ feet. The company has not as yet shipped any coal from this mine, but is waiting for the building of a switch from the Iron Mountain railroad. The capacity of this shaft will be from 1,500 to 2,000 tons per day.

The National Mining Co. has put down a new shaft two miles east of Eldorado, Saline county. The shaft is 13 by 9 feet and the depth is 337 feet. A 6-foot vein of coal was reached, which is known as seam No. 5. A pair of hoisting engines have been installed, 20 by 36 inches, they are the Keck Gonnerman make. The drum is 6 feet in diameter with a double brake. The boilers are the Atlas make, Dayton, Ohio, and are 6 by 16 feet, with 6-inch tubes, 300 horse power. The hoisting rope is $1\frac{1}{4}$ inches in diameter. The wooden head tower is 70 feet high. The cages are self-dumping with shaker screen, Parker make, and an Ottumwa box car loader. The air shaft is down, 10 by 10 feet. The fan is Keck Gonnerman make, 16 feet in diameter. This mine is located on the Louisville & Nashville railroad. The first coal was shipped June 17, 1905.

The Big Muddy Coal & Iron Co.'s shaft No. 9 is just completed. It is located in township 8, Jackson county. The hoisting shaft is 9 feet 1 inch by 18 feet 5 inches inside of timbers, with two cageways, each 6 feet 10 inches by 9 feet 1 inch, also a stair and pipe way 3 feet 6 inches by 9 feet 1 inch in the north end of shaft. The air shaft is $8\frac{3}{4}$ feet by 18 2-3 feet inside of timbers, with stair and manway in the south end of shaft $4\frac{1}{2}$ feet by $8\frac{3}{4}$ feet. The air way is $8\frac{3}{4}$ feet by 14 feet 2 inches, with a division of 8 by 10 inch buntons running through the center of air way. The depth to the coal is $107\frac{1}{2}$ feet. The coal is $6\frac{1}{2}$ feet in both shafts. Both shafts are timbered with 8 by 8 inch timbers through the surface and with 3 by 10 inch long leaf yellow pine through the slate, treated with a wood preservative. Friedstadt interlocking channel irons 16 feet long were used in going through a 14-foot strata of quicksand in the hoisting shaft, and United States interlocking steel piling 14 feet long was used in going through a 12-foot strata of quicksand in the air shaft.

The tippie is built of long leaf yellow pine, and is equipped with self-dumping cages, and four tracks. Each track has a 78-foot United States track scale under the tippie so that the empty and loaded cars are weighed standing. A box car loader will be installed as soon as it is needed.

The shaking screens are of steel, 8 feet wide, perforated sheets extending over 4 tracks, over which 7 grades of coal can be made in the different combinations of the screen.

The engine house of brick, 22 by 32 feet, at the north end of the shaft and contains a pair of 18 by 36 inch first motion, Danville hoisting engines, equipped with both foot and steam brakes, also an automatic device to prevent overwinding.

The boiler house is 44 by 92 feet, north of engine house, with balloon frame, covered and sided with galvanized iron. It contains four boilers 72 inches by 18 feet, with 70 4-inch flues. Two boilers are set to each battery, and there is room for four more boilers of same size, when needed. The boilers are supplied with coal by a conveyor running from the tippie to the boiler house.

The power house is 44 by 54 feet, balloon frame, covered and sided with galvanized iron, and contains one 20 by 42 inch Allis-Chalmers 300 H. P. Corliss engine at 92 R. P. M., with a 15-foot fly wheel, grooved for 18 1-inch ropes, and drives a 225 K. W. Crocker-Wheeler generator, 250 volts, direct current.

The switch-board has two pannels equipped with buss bar and Weston voltmeter and 1,000 ampere ammeter, one main circuit breaker and three smaller circuit breakers with fuses on each line. There are four circuits running from the switch-board to the bottom of the shaft, two for mining machines, one for lights and one for haulage, so connected up that a stir circuit on one line does not affect any other. The cables are lead covered

and well insulated; lightning arrestors are placed on each line outside of the power house, and all cables are carried under cover from the power house to the shaft. There is sufficient room in the power house for a duplicate plant.

The fan is 10-foot Robinson pattern, guaranteed to produce 100,000 cubic feet per minute, and a 2-inch water gauge at 350 R. P. M. These are enclosed in a cast-iron housing and connected to the air shaft by a concrete conduit, driven by a 10 by 20 inch plain slide valve engine, with a rope drive.

The main bottom entry of the shaft runs nearly east and west, 14 feet wide and $7\frac{1}{2}$ feet high and 400 feet long, on each side of the shaft. There are two tracks, $3\frac{1}{2}$ feet gauge, laid with 30-pound steel rails, cross bars 12 by 12 inches long leaf yellow pine, set 4 feet from center to center, lagging 3 by 12 inches. The coal is caged from the west side of the shaft, and empty cars are run to the east side by gravity. There is a parallel entry 9 feet wide and arched, on each side of the main bottom entry, making a three entry system on the bottom, with a 30-foot pillar between the main bottom entry and the parallel entries. The bottom is so arranged that the motor can bring the loads to the loaded side of shaft without making a running switch; 200 feet is the greatest distance necessary for the motor to travel without a load.

The pannel system will be adopted in mining, and three entry systems on all entries except the pannel, where the two entry system will be used. There will be two air courses and three traveling ways leading to the air shaft from the main entries.

Two Sullivan electric chain machines are at work at the present time, making an undercut $6\frac{1}{2}$ deep by $5\frac{1}{4}$ feet high. More machines will be installed as soon as needed. The general plans and construction, both above and below ground, for safe, efficient and economical operation of the property are considered to be second to none in the State.

ABANDONED MINES.

Three local mines have been abandoned during the year: The Rice & Crain mine, the Thomas Parritt mine and the mine of the Carterville Diamond M. Co., all located at Carterville.

The Carterville Coal Co. shaft "B" has not been operated during the year. The company failed to give any reason for not working this mine.

PROSPECTIVE MINES.

The Chicago & Carterville Coal Co. is still engaged in sinking its shaft "B," which is located two miles northeast of Herrin, Williamson county. The company has had some trouble in sinking through sand and water, which has delayed the work. However, the shaft is now about down to the coal and preparations are being made to begin the sinking of the escapement shaft.

IMPROVEMENTS.

The Chicago & Carterville Coal Co. of Herrin, Williamson county, has put in the Sullivan air punching mining machines, also a Sullivan air compressor, which has a capacity of 25 machines. The company is running from 20 to 23 machines per day and is doing good work.

The Carterville Mining Co., of Carterville, Williamson county, has put the main and tail rope system into the old Fredonia mine. This is the oldest mine in Williamson county. The company has purchased some new coal land, and, in order to cut down expenses of hauling, have put in the rope system, which is giving good satisfaction.

The O'Gara Coal Co., at Harrisburg, has changed its No. 2, 3 and 4 mines from hand to machine mines, and has introduced the Morgan-Gardner electric machines. The electric plant is located at the No. 3 shaft. The cable is on top of the ground to numbers 2 and 4 shafts, so that the one electric plant does the work for the three shafts. Two Erie automatic

dynamo engines have been installed at No. 3 mine. These are 19 by 18 inches, making 210 revolutions per minute, and will develop at this speed about 240 H. P. They are belt connected to two 150 K. W., 250 volts, Morgan-Gardner generators. These machines do good work in this coal, each machine getting out from 150 to 200 tons a day.

The Sunnyside Coal Co., Herrin, Williamson county, has changed from hand mining to machine work. The Sullivan air punching machines have been put in, also a Sullivan air compressor, which has a capacity for 30 machines. Twenty-five machines are running daily and are doing good work.

CHANGES IN THE NAMES OF COMPANIES.

The following changes of mining companies in Williamson county are noted:

The St. Louis & Big Muddy Coal Co., located at Dumaine, has changed its name to the Madison Coal Corporation. This mine is located one mile and a half north of Carterville, and is commonly known as the Brush mine.

The Culp Coal Co. has been purchased by the Madison Coal Corporation. This mine is located about three miles north of Carterville, and is a new mine, not yet opened up, but when opened up will be a mine of 2,000 tons capacity. The New Ohio Washed Coal Co., at Carterville, has changed its name to the Hafer Washed Coal Co.

Changes in names of companies in Saline county: The Eldorado Coal & Coke Co., Eldorado, is now known as O'Gara Coal Co., mine No. 8. The Eldorado Coal Co., Eldorado, is changed to O'Gara Coal Co. No. 9. The Harrisburg Big Muddy Coal Co. is changed to O'Gara No. 10. The Diamond Coal Co., Harrisburg, has changed its name to the O'Gara Coal Co. No. 1. The Egyptian Coal Co. No. 1 has changed to the O'Gara Coal Co. No. 2. The Egyptian Coal Co. No. 2 has changed its name to the O'Gara Coal Co. No. 3. The Harrisburg Mining Coal Co. is changed to O'Gara Coal Co. No. 4. The Clifton Coal Co., Ledford, has changed to O'Gara No. 5. The Gas Coal Co., Harrisburg, has changed to the O'Gara Coal Co. No. 6. The Morris Coal Co., Carrier Mills, is known as O'Gara Coal Co. No. 7.

FATAL ACCIDENTS.

July 30, 1905. Benjamin Harris, top laborer, aged 34 years, married, employed by the Big Muddy Coal & Iron Co., at mine No. 8, Clifford, Williamson county, was injured while engaged in pinching an empty coal car down to the shaft. An engine backed some cars in and his arm was caught between the cars. The arm had to be amputated, causing his death. He leaves a widow and four children.

August 3, 1905. Bart Endrizzle, miner, aged 45 years, married, was instantly killed by falling slate while employed at the Johnson City & Big Muddy Coal Co.'s mine No. 1, Johnson City. He leaves a widow and seven children.

August 11, 1905. Charles Lebby, miner, aged 32 years, married, employed at the mine of the Chicago & Marion Coal Co., Marion, Williamson county, was loading coal under a piece of slate that had been marked "danger" by the mine examiner. Deceased had been trying to get it down but failed and went on loading his car, when the piece of slate fell on him, killing him instantly. Props were in the room and he could have put them under the slate, but failed to do so. He leaves a widow and four children.

November 25, 1905. W. A. McNeil, miner, aged 24 years, married, employed with the Robert Dick Coal Co., near Cambria, Williamson county, was burned to death while sitting at the powder box making up the powder. His partner, Monroe Crain, was cleaning out a blasting barrel with a squib. The squib was lighted and went through the barrel into the open can of powder, setting the powder on fire. He died at 10:00 o'clock the same day, and leaves a widow and one child.

December 6, 1905. John Calcaterra, miner, aged 19 years, was killed at the Big Muddy Coal & Iron Company's shaft No. 7, Herrin, Williamson county. It is supposed that the dinner pail of deceased caught in a button in going up the shaft, and that he lost his balance, falling from the cage.

December 7, 1905. William Walters, shot firer, aged 35 years, single, employed at the O'Gara Coal Co. No. 3, Harrisburg, Saline county, was shooting

a hole in the face of the second south entry on the east side. The hole was drilled in on the dead, to the extent of 5½ feet, which caused a blown out shot. Death was caused by suffocation.

December 14, 1905. Charles Hawkins, miner, aged 29 years, married, employed by the Dempsey Brothers at Equality, Gallatin county, lost his life by dropping fire from his lamp into the powder while making a cartridge. He was helped out of the mine by miners and died the same day. He leaves a widow and two children.

December 19, 1905. John Postle, superintendent, aged 43 years, married, employed at the Peabody Coal Co., No. 3, Marion, Williamson county, lost his life while trying to start a stationary engine that was used to pull cars down the track. The supposition is that the engine got on the center and he put his foot on the fly wheel to get off, with the steam on the engine, and when the engine started, it threw him into the gearing of the pinion wheel, killing him instantly. No one witnessed the accident. He leaves a widow and two children.

December 29, 1905. William Overly, driver, aged 18 years, single, employed at the Peabody Coal Co.'s mine No. 2, Marion, Williamson county, lost his life while driving a team of mules, and riding in front of the car. The lead mule stopped, causing the rear mule to back up, deceased in jumping off of the car was caught between the car and rib. He was injured internally and died one week later.

January 4, 1906. James Winning, miner, aged 66 years, married, employed at the Hafer Washed Coal Co., Cartersville, Williamson county, was walking towards the bottom of the shaft, a driver was going in with a trip of cars, having his back to the mule, guiding the cars over a switch. Deceased did not notice the driver coming, and the cars struck him on the right side. He died twelve hours after the accident and leaves a widow and eleven children.

February 23, 1906. T. L. Beers, top laborer, aged 25 years, married, employed at the Big Muddy Coal & Iron Co.'s mine No. 8, Clifford, Williamson county, was taking off and putting on picks on a cage. He signaled the engineer to lower the cage. It was evident he was not far enough away from the cage, and fell into the shaft after the cage. His instructions were to put the bar across the shaft before signaling the cage away. He leaves a widow and two children.

March 31, 1906. Bruce S. Ellis, cager, aged 37 years, married, employed at the Cartersville Coal Co.'s mine, Cartersville, Williamson county, was caught between the cage and the door-head of the shaft. He was in the act of pulling a car back onto the cage so that he could secure it. The cage was taken away, killing him instantly. He leaves a widow and one child.

May 25, 1906. Howard Hunter, miner, aged 61 years, single, employed at the St. Louis & Big Muddy Coal Co., Dewmaine, Williamson county, was killed by falling slate while loading his car. He had been notified to keep out until the place had been timbered, but paid no attention and went to work. He was injured internally and died the same day.

June 13, 1906. Charles Baumer, machine runner, aged 55 years, married, employed at the Gartside Coal Co.'s No. 3 mine, Murphysboro, Jackson county, was trying to get on to the cage after it had started up the shaft and fell backwards. His shoulders were dislocated, and he received other injuries. This accident was caused by the carelessness of deceased. He died the same day, and leaves a widow and four children.

Two other deaths occurred to miners in this district during the year, but as both deaths were due to natural causes, they are therefore not included in the number of deaths from accidents.

October 15, 1905. Joseph Malandrone, an Italian, miner, aged 50 years, married, died from heart trouble. He was employed in the No. 7 mine of the Big Muddy Coal & Iron Co., at Herrin.

January 13, 1906. Bert Welch, miner, aged 27 years, single, employed in mine A of the Chicago & Cartersville Coal Co., Herrin, died from neuralgia of the heart.

The tables of fatal and non-fatal accidents and the county tables follow.

Respectfully submitted,

THOMAS LITTLE,

State Inspector of Mines, Tenth District, Carbondale, Illinois.

Fatal Casualties—Tenth District—July 1, 1906.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single. Persons dependent.	Cause of Accident.
1905									
July 30	Benj. Harris.....	34	Laborer, top	Clifford.....	1	1	4	5	Railroad cars.....
Aug. 3	Bart Endrizzi.....	45	Miner.....	Johnson City..	1	1	7	8	Falling slate.....
11	Charles Lebby.....	32	do.....	White Ash.....	1	1	4	5	do.....
Nov. 25	W. A. McNeil.....	24	do.....	Cambria.....	1	1	1	2	Powder explosion...
Dec. 6	John Calcatera.....	19	do.....	Herrin.....				1	Falling from cage down shaft.....
7	Wm. Walters.....	55	Shot firer...	Harrisburg.....				1	Blown out shot.....
14	Chas. Hawkins.....	29	Miner.....	Equality.....	1	1	2	3	Powder explosion...
19	John Postle.....	43	Superint'd't.	Marion.....	1	1	2	3	Pinion wheel of en- gine.....
29	William Overly.....	18	Driver.....	do.....				1	Pit car.....
1906									
Jan. 4	James Winning.....	66	Miner.....	Cartersville....	1	1	11	3	Pit cars.....
Feb. 23	T. L. Beers.....	25	Laborer, top	Clifford.....	1	1	2	3	Falling down shaft..
Mar. 31	Bruce S. Ellis.....	37	Cager.....	Cartersville....	1	1	1	2	Ascending cage at door head.....
May 25	Howard Hunter.....	61	Miner.....	Dewonaime.....				1	Falling slate.....
June 13	Chas. Baumler.....	55	Mch. runner.	Murphysboro...	1	1	4	5	Ascending cage.....
	Totals.....				10	10	38	4	39

Recapitulation of Fatal Casualties—Tenth District—1906.

Residence.	No.	Occupation.	No.	Nature of Casualty.	No.	Colliery.	No.
Cambria.....	1	Cager.....	1	Ascending cage.....	2	Big Muddy Coal Co.....	3
Cartersville.....	2	Top men.....	2	Caught engine wheel	1	Cartersville Coal Co.....	1
Clifford.....	2	Driver.....	1	Falling down shaft.	2	Chicago & Marion C. Co.....	1
Dewonaime.....	1	Mch. runner.	1	Falling slate.....	3	Dempsey Bros.....	1
Equality.....	1	Miners.....	7	Pit cars.....	2	Robert Dick.....	1
Harrisburg.....	1	Shot firer.....	1	Powder explosion...	2	Gartside Coal Co.....	1
Herrin.....	1	Superintend't.	1	Railroad cars.....	1	Hoffer Washed Coal Co.....	1
Johnson City.....	1			Blown out shot.....	1	Johnson City & B. M. C. C. O'Gara Coal Co.....	1
Marion.....	2				1	Peabody Coal Co.....	2
Murphysboro.....	1					St. Louis & B. M. Coal Co.....	1
White Ash.....	1						
Totals.....	14		14		14		14

Non-fatal Casualties—Tenth District—July 1, 1906.

Date.	Name.	Age.	Residence. (Town).	Married. Single.	Children.	No. persons dependent.	Character of Injury and Cause of Accident.	Time lost— days.
1905								
July 30	Thomas J. Conner	26	Grayson	1			1 Body burned, gas explosion	33
Aug. 21	Charles Gustdorfer	20	DeSoto	1	1		Leg injured, pit car	90
24	Dock Sullivan	21	Harrisburg	1			1 Hands burned, powder explosion	30
28	Tommy Whittaker	22	do.	1			1 Fingers mashed, tail chain	30
31	John Spezia	29	Herrin	1	1		2 Shoulder and ankle bruised, falling coal	60
Sept. 1	Willis Sullivan	20	Harrisburg	1			1 Body bruised, pit cars	90
21	Jasper Powers	35	do.	1	1		2 Foot broken, falling slate	30
23	George Pecarra	57	Murphysboro	1			Leg broken, falling slate	101
Oct. 6	Thos. Hudson	30	do.	1	3		4 Hip fractured, falling slate	30
21	Jas. Calcaterra	29	Herrin	1	2		3 Leg broken, pit cars	30
Nov. 15	John Hall	64	Murphysboro	1			1 Body bruised, pit cars	40
Dec. 5	Otto Pinnell	28	Eldorado	1	3		4 Body injured, falling slate	40
9	Philip Hinton	47	Murphysboro	1	2		3 Foot injured, stepped on pick	40
11	August Woods	53	do.	1			1 Shoulder and foot bruised, falling slate	63
12	Lewis Rogers	37	Clifford	1			Ankle broken, mining machine	50
18	Fred Guthrie	46	Cartersville	1	3		4 Face bruised, blast explosion	54
27	Randolph Dale	52	Murphysboro	1			1 Shoulder bruised, pit car	34
1906								
Jan. 8	Ed Singler	36	Johnson City	1	3		4 Hip broken and rib fractured, pit car	49
12	John Lewis	38	Bush	1	2		3 Body burned, blown out shot	80
9	Frank McClinden	41	Harrisburg	1	3		4 Body bruised, kicked by mule	30
16	Walter Jacobs	28	do.	1	1		2 Face burned, gas explosion	30
25	Fred Meyers	27	Herrin	1			Hand mashed, falling coal	30
30	Fred Smith	22	do.	1			Foot mashed, railroad car	40
31	Paul Fratina	22	Clifford	1			Back bruised, falling slate	60
Feb. 7	Dalton Clark	35	Harrisburg	1	2		3 Arms broken, falling coal	90
15	Henry Harris	19	Clifford	1			Face bruised, pit car	40
21	Richard Beattie	48	Murphysboro	1	4		5 Wrist injured, pit cars	31
27	Wm. Crompton	26	Herrin	1			Fingers crushed, pit car	30
Mar. 8	Lewis Grant	28	Harrisburg	1			1 Body bruised, blast explosion	30
10	Otis Walker	27	Cartersville	1	3		4 Head and hips bruised, falling coal	90
15	Jack Davis	28	Carrier Mills	1	1		2 Body bruised, pit car	120
26	John Jackson	24	Harrisburg	1			Arm broken, falling door	30
30	Leo Connelly	21	Murphysboro	1			Collarbone broken, electric motor	65
May 3	Samuel Harwick	54	Herrin	1	6		7 Leg cut, falling coal	120
14	Jake Clavinia	25	do.	1			Body bruised, pit car	30
June 13	Jas. Tygott	30	do.	1	1		2 Collarbone broken, head and hips injured, pit car	30
	Totals			27	9	41	66	

Total number of men injured 36
 Total time lost—days 1,870
 Average time lost—days 51.94

Recapitulation of Non-fatal Casualties—Tenth District—1906.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Bush.....	1	Cager.....	1	Blast explosion.....	2	Big Muddy C. & I. Co.....	11
Carriers Mills..	1	Company man	2	Falling coal.....	5	Chicago & Carterv. C. Co..	2
Cartersville....	2	Drivers.....	9	Falling door.....	1	E. F. Daniels.....	1
Clifford.....	3	Mine examn'rs	2	Falling slate.....	6	Hoffer Washed Coal Co....	1
DeSoto.....	1	Loader.....	2	Gas explosion.....	2	Harrison shaft.....	3
Eldorado.....	1	Machine run'r.	1	Kicked by mule.....	1	Inland Coal Co.....	1
Grayson.....	1	Miners.....	13	Machine.....	1	Johnson City Coal Co....	1
Harrisburg.....	9	Motorman.....	1	Motor.....	1	National Mining Co.....	1
Herrin.....	8	Pit boss.....	1	Pit cars.....	12	O'Gara Coal Co.....	11
Johnson City...	1	Shot firers	4	Powder explosion.....	1	Schmitgall Coal Co.....	1
Murphysboro...	8	Trackman.....	1	Railroad car.....	1	Sunnyside.....	2
				Stepped on pick.....	1	Western Coal Co.....	1
				Tail chain.....	1		
				Blown out shot.....	1		
Totals.....	36		36		36		36

Table showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages.

NATURE OF INJURIES.	Number.	Married.	Single.	Dependents.	TIME LOST.		Percent of injuries.
					Total days.	Average days.	
Ankle broken.....	1		1		50	50.00	2.78
Arms broken.....	2	1	1	3	120	60.00	5.55
Back injured.....	1		1		60	60.00	2.78
Body injured.....	9	8	1	17	492	54.78	25.00
Collar bone broken	2	1	1	2	95	47.50	5.55
Face injured.....	3	2	1	6	124	41.33	6.34
Fingers injured.....	2	2		1	60	30.00	5.55
Foot broken.....	1	1		2	30	30.00	2.78
Foot injured.....	2	1		3	60	30.00	5.55
Hands injured.....	2	1	1	1	60	30.00	5.55
Head and hips injured.	1	1		4	30	30.00	2.78
Hip broken and ribs fractured.	1	1		4	60	60.00	2.78
Hip injured.....	1	1		4	30	30.00	2.78
Leg broken.....	2	2		3	121	60.50	5.55
Leg injured.....	2	1	1	7	210	105.00	5.55
Shoulder injured.....	1	1		1	94	94.00	2.78
Shoulder and ankle injured.	2	2		3	63	31.50	5.55
Wrist injured.....	1	1		5	31	31.00	2.78
Totals, averages and percentages.	36	27	9	60	1,670	51.94	100.00

Gallatin County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	Gallatin Coal & Coke Co.	Equality		42, 136	1, 978	20, 809	12, 648
1	Brown Coal Co., East Side	do.	8, 700				270
	Totals		8, 700	42, 136	1, 978	20, 809	12, 918
LOCAL MINES.							
1	J. E. Dempsey	Equality		2, 800			1, 000
2	J. A. Anderson	do.		2, 600			20
3	W. H. McLain	do.		2, 304			100
4	Baldwin & Turner	do.		350			
5	A. E. Evans	Junction		120			
	Totals			8, 204			1, 320
	Totals—7 mines.....		8, 700	50, 340	1, 978	20, 809	14, 238

Mines reported for 1905, 6.

New mines, 1.

Mines in 1906, 7.

Galatin County—Tenth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
3,723	81,294	\$72,886	60,956	3,973	12,643	3,722	196	81,294	72	25	97	1
.....	8,970	8,801	8,350	.....	300	320	106	8,970	15	8	23	2
3,723	90,264	\$81,687	69,306	3,973	12,943	4,042	151	90,264	87	33	120	
.....	3,800	\$4,000	.....	.....	3,800	.....	200	3,800	6	2	9	1
.....	2,800	3,350	.....	.....	2,800	.....	200	2,800	7	2	9	2
.....	2,404	3,496	.....	.....	2,404	.....	180	2,404	5	2	7	3
92	472	602	.....	.....	472	.....	64	472	3	1	4	4
.....	120	180	.....	.....	120	.....	75	120	1	1	2	5
92	9,596	\$11,628	.....	.....	9,596	.....	144	9,596	22	8	30	
3,815	99,860	\$93,315	69,306	3,973	22,539	4,042	.....	99,860	109	41	150	

Jackson County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pes or screenings.
SHIPPING MINES.							
1	Mud Valley M. & Mfg. Co., No. 1....	Hallidayboro.		53,000	59,548	10,373	22,114
2	Big Muddy Coal & Iron Co., No. 6....	Murphysboro.	11,389	55,547	12,312		66,222
3	Big Muddy Coal & I. Co., Harrison....	do.	1,698	59,095			59,737
4	Inland Coal & Washing Co., Inland....	DeSoto.		22,908	15,874	9,198	16,826
5	Gus Blair Big Muddy Coal Co., No. 1....	Murphysboro.	3,573	24,160			17,073
6	Chicago & Carbondale C. Co., No. 1....	DeSoto.	5,000	20,000	10,000	10,000	
7	Gartside Coal Co., No. 3....	Murphysboro.		27,305		6,855	
8	Gartside Coal Co., No. 4....	do.		24,049		6,357	2,327
9	Big Muddy Coal & Iron Co., No. 9....	do.	6,886	661			539
10	Peacock Coal Co., No. 1....	DeSoto.	6,000				
11	Schmidgall Coal Co., No. 1....	Murphysboro.		2,306		1,000	602
Totals			34,396	306,310	97,734	63,789	196,866
LOCAL MINES.							
1	John A. Young.....	Oraville.....		4,562			
2	Elmer Sponcer.....	Carbondale....	1,215	1,654		1,172	117
3	H. S. Phillips.....	do.....		1,500		1,000	
4	W. H. Myers.....	do.....		1,000		500	
5	W. R. Campbell.....	Vergennes.....	981	359			
6	Nisbet & Edwards.....	Ava.....		1,300			
7	John Herman.....	Oraville.....		800			
8	David Dawson.....	Campbell Hill..		735			
9	J. B. Schimpf.....	Vergennes.....		504			
10	V. L. Church.....	Ava.....		305			
11	Michael Schaeffer.....	do.....		300			
Totals			2,196	12,072		2,672	117
Totals—22 mines			36,592	322,382	97,734	66,461	196,983

Mines reported for 1906, 20.

New mines, 2.

Mines in 1906, 22.

Jackson County—Tenth District—Concluded.

IN TONS.		Aggregate value, of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
22,796	177,911	\$171,051	111,726	40,738	2,651	22,796	170	177,911	140	133	273	1
.....	148,441	140,947	133,665	.....	.....	14,776	195	29,202	168	133	301	2
.....	120,313	114,135	106,311	.....	.....	14,002	157	.....	180	83	263	3
16,334	88,093	79,530	65,808	.....	962	21,323	204	88,093	85	73	158	4
.....	54,812	77,056	50,312	.....	1,000	3,500	255	.....	54	28	82	5
5,000	50,000	54,000	44,000	.....	1,000	5,000	160	50,000	50	20	70	6
11,800	46,031	56,129	31,107	.....	3,124	11,800	222	2,930	54	30	84	7
4,200	37,563	49,079	33,363	.....	.....	4,200	125	4,437	60	40	100	8
225	8,512	7,993	7,572	.....	.....	940	78	8,512	16	10	26	9
.....	6,000	4,800	3,500	.....	2,000	500	150	6,000	3	3	6	10
452	4,120	4,584	420	.....	3,000	700	200	.....	15	7	22	11
60,807	741,796	\$759,304	587,784	40,738	13,737	99,537	184	367,085	825	560	1,385	
.....	4,562	\$6,843	.....	.....	4,562	.....	200	4,562	4	2	6	1
.....	4,358	3,897	.....	.....	4,358	.....	250	4,358	5	.....	5	2
.....	2,500	2,250	.....	.....	2,500	.....	200	2,500	4	.....	4	3
.....	1,500	1,625	.....	.....	1,500	.....	200	1,500	4	1	5	4
28	1,398	1,824	.....	.....	1,398	.....	175	1,398	2	1	3	5
.....	1,200	1,500	.....	.....	1,200	.....	175	1,200	3	.....	3	6
.....	800	1,000	.....	.....	800	.....	100	800	1	.....	1	7
.....	758	1,326	.....	.....	758	.....	250	758	2	1	3	8
.....	504	756	.....	.....	504	.....	180	504	3	1	4	9
80	386	398	.....	.....	386	.....	42	386	3	1	4	10
.....	200	250	.....	.....	200	.....	135	200	1	.....	1	11
108	18,166	\$21,669	.....	.....	18,166	.....	173	18,166	32	7	39	
60,915	759,962	\$780,973	587,784	40,738	31,903	99,537	.....	385,251	857	567	1,424	

Johnson County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE.				
			Mine run.	Lump.	Egg.	Nut.	Pea or screenings.
LOCAL MINES.							
1	J. W. Tyler	New Burnside.		512			
2	Edwards & White	do.....		400			
	Totals			912			

Mines reported for 1905, 2.
Mines in 1906, 2.

Johnson County—Tenth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.					Tons mined by hand.	EMPLOYES.			Number.
Slack or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.	Days of active operation.		Average number of miners.	All other employés.	Total.	
.....	512	\$512	.....	.....	512	.....	75	512	2	1	3	1
.....	400	400	.....	.....	400	.....	60	400	2	.....	3	2
.....	912	\$912	.....	.....	912	.....	68	912	5	1	6	

Saline County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Figg.	Nut.	Pea or screenings.
SHIPPING MINES.							
1	O'Gara Coal Co. No. 4.....	Harrisburg....	48,233	22,103	.....	1,387	17,689
2	O'Gara Coal Co. No. 6.....	..do.....	36,653	17,978	.....	1,517	1,347
3	O'Gara Coal Co. No. 9.....	..do.....	44,675	2,513	3,766	5,157	7,046
4	O'Gara Coal Co. No. 3.....	..do.....	35,391	17,012	.....	.....	5,717
5	Davenport Coal Co. A.....	..do.....	51,631	.....	.....	.....	.....
6	O'Gara Coal Co. No. 7.....	..do.....	10,185	20,177	.....	6,497	12,643
7	Eldorado Coal Co. No. 1.....	Eldorado.....	47,414	.....	.....	.....	.....
8	O'Gara Coal Co. No. 5.....	Harrisburg....	3,940	17,146	609	5,034	13,397
9	Galatin Coal Co. No. 1.....	Galatia.....	36,159	.....	.....	.....	.....
10	O'Gara Coal Co. No. 1.....	Harrisburg....	15,653	5,426	.....	94	2,033
11	O'Gara Coal Co. No. 8.....	..do.....	2,693	10,096	.....	3,880	5,492
12	O'Gara Coal Co. No. 2.....	..do.....	9,087	4,837	1,178	2,207	3,542
13	Harrisburg Big Muddy C. Co. of Ill.	..do.....	11,245	.....	.....	.....	.....
14	National Mining Co. No. 1.....	Eldorado.....	.....	3,560	.....	1,560	2,015
15	O'Gara Coal Co. No. 10.....	Harrisburg....	519	2,187	.....	185	548
Totals			353,478	123,035	5,553	27,518	77,449
LOCAL MINES.							
1	Job S. Ingrain	Harrisburg....	.....	3,420	.....	1,140	.....
2	J. E. Dobyns	Eldorado.....	.....	559	.....	.....	.....
3	D. Bybee	Mitchellville..	.....	232	.....	.....	120
4	Allen Tarliou	Eagle .....	.....	200	.....	.....	.....
5	Lewis Dunn	Stonefort .....	.....	50	.....	.....	30
6	J. D. Wilkin	Kedron .....	.....	75	.....	.....	.....
7	Logan Dunn	Mitchellville..	.....	24	.....	.....	.....
Totals .....			.....	4,560	.....	1,140	150
Totals—22 mines.....			353,478	127,595	5,553	28,658	77,599

Mines reported for 1905, 9.

New mines, 13*.

Mines in 1906, 22.

* Some of these old mines, but not reported last year.

Saline County—Tenth District—Concluded.

MINE.	Total.	Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
			Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employees.	Total.	
036	90,428	\$94,418	83,446		5,846	1,036	126	90,428	55	36	91	1
767	64,262	70,987	63,021		476	765	124	64,262	68	31	99	2
036	64,193	65,782	62,740		417	1,036	90	64,193	63	54	117	3
860	58,980	65,752	39,633	18,487		860	140	58,980	44	25	69	4
...	51,631	46,468	50,369		152	1,110	220	21,845	39	27	66	5
129	50,631	54,710	49,158		345	1,128	99	50,631	57	28	85	6
...	47,414	47,414	45,098		2,316		200	47,414	28	35	63	7
707	40,833	43,182	39,950		178	705	114	40,833	41	25	66	8
...	36,159	34,351	31,359		4,000	800	168	36,159	40	18	58	9
047	24,253	25,956	23,196		10	1,047	98	24,253	25	13	38	10
888	23,049	25,208	21,913		247	889	91	23,049	39	31	70	11
204	22,055	23,064	20,853			1,202	101	22,055	27	20	47	12
...	11,245	10,121	11,245				224	11,245	25	10	35	13
...	7,135	7,049	5,625		800	710	138	7,135	9	8	17	14
373	3,812	4,396	3,115		324	373	22	3,812	28	35	63	15
047	596,080	\$618,858	550,821	18,487	15,111	11,661	156	566,294	588	396	984	
...	4,560	\$6,840			4,560		200	4,560	9	3	12	1
25	584	851			584		100	584	2	2	4	2
...	352	468			352		50	352	2		2	3
...	200	250			200		60	200	1		1	4
...	80	85			80		23	80	1		1	5
...	75	94			75		25	75	3		3	6
24	48	39			48		15	48	1		1	7
49	5,899	\$8,627			5,899		67	5,899	19	5	24	
096	601,979	\$627,485	550,821	18,487	21,010	11,661	....	572,193	607	401	1,008	

Williamson County—Tenth District—1906.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Peb. or screenings.
SHIPPING MINES.							
1	Big Muddy Coal & Iron Co., No. 7...	Herrin	95,564	77,863	24,815	129,219	10,140
2	Chicago & Cartersville Coal Co., A...	do.....	55,557	70,245	23,605	119,580	31,559
3	Sunnyside Coal Co., No. 1	do.....	24,750	75,326	24,945	139,489	4,592
4	Madison Coal Co., No. 8	Dewmaine	200,000	68,519	.....	.....	1,739
5	Peabody Coal Co., No. 3	Marion	5,567	49,864	55,774	6,198	13,146
6	Western Coal Mining Co., No. 1	Bush	110,105	.....	47,743	.....	70,613
7	Big Muddy Coal & Iron Co., No. 8...	Clifford	93,058	34,857	783	33,364	7,271
8	Cartersville District Coal Co., No. 1.	Marion	53,497	23,470	24,376	28,840	38,735
9	Chicago & Big Muddy Coal & Coke Co., No. 1	do.....	9,000	39,556	27,593	15,015	66,528
10	Cartersville Coal Co., C	Cartersville	2,000	26,389	39,563	27,387	30,957
11	Peabody Coal Co., No. 2	Marion	2,572	31,908	25,997	21,180	46,538
12	Chicago-Herrin Coal Co	Herrin	35,826	40,857	10,789	3,571	47,819
13	Johnson City & Big Muddy Coal & Mining Co., No. 1	Johnson City..	22,231	23,183	20,168	19,967	42,473
14	Williamson County Coal Co., No. 1.	do.....	47,944	14,047	7,846	8,994	33,174
15	Chi. & Marion Coal Co., White Ash.	Marion	85,625	3,500	3,334	4,326	11,674
16	New Virginia Coal Co	Johnson City..	90,000	.....	.....	.....	.....
17	Cartersville & Big Muddy Coal Co., John	Cambria	28,933	22,187	1,926	.....	25,767
18	Donaly & Koennecke Coal Co., New Donaly	Cartersville	6,439	12,056	12,529	5,720	30,767
19	Cartersville & Herrin C. Co., Jeffrey	Herrin	8,000	21,300	11,480	3,000	26,040
20	Robert Dick Coal Co	Cambria .....	.....	36,536	6,643	.....	23,251
21	Cartersville Mining Co., No. 1	Cartersville	5,275	11,906	9,128	.....	34,185
22	Watson Coal Co., No. 1	Herrin	10,500	8,600	9,400	4,250	26,250
23	Cartersville Colliery Co., No. 2	Cartersville	4,625	11,086	8,624	.....	32,943
24	Hafer Washed Coal Co., No. 3	do.....	.....	8,058	9,210	.....	40,282
25	Madison Coal Co., No. 9	Cambria	50,000	3,513	.....	.....	.....
26	Cartersville Coal Co., A	Cartersville	1,000	8,322	13,462	9,315	10,881
27	Cartersville Mining Co., No. 3	do.....	3,299	7,666	6,185	.....	22,369
28	St. L. & Cartersville Coal Co., Walnut Ridge	Herrin	17,026	4,489	4,667	.....	13,587
29	Johnson City & Cartersville Coal Co., Oak Ridge	Johnson City..	1,809	10,395	5,484	5,068	12,390
30	Hafer Washed Coal Co., No. 1	Cartersville	2,230	3,404	3,402	.....	10,208
31	Watson Coal Co., No. 2	Herrin	8,000	.....	.....	.....	.....
32	Beltz Coal Co	Cartersville	400	974	1,257	659	209
Totals			1,080,832	750,076	440,628	582,142	766,177

Williamson County—Tenth District—Continued.

INS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYEES.			Number.
	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
72	363,573	\$353,486	347,784	142	2,656	12,991	240	363,573	240	100	340	1
36	312,482	289,455	285,921	584	5,310	20,657	214	299,547	240	120	360	2
72	289,874	286,998	267,170		1,832	20,872	194	279,225	200	101	301	3
00	281,278	251,326	268,519	1,759		11,000	220	281,278	200	188	388	4
49	258,398	214,683	144,310		113,462	626	174	194,714	174	95	269	5
..	228,461	194,812	214,567		8,000	5,894	231	228,461	175	80	255	6
26	180,459	166,423	163,261		959	16,239	216		110	59	169	7
..	168,978	145,122	159,853			9,125	212		83	58	141	8
..	157,692	136,931	153,236		159	4,297	177	157,692	144	77	221	9
67	152,163	153,660	147,903			4,260	215	152,163	136	73	209	10
94	146,489	122,151	140,384			6,105	160	100,058	131	65	196	11
73	139,635	119,803	136,308		2,554	773	189	139,635	115	66	181	12
..	128,022	114,284	124,422			3,600	160	128,022	118	42	160	13
48	115,053	86,250	112,005			3,048	182	115,053	130	61	191	14
90	110,649	99,836	108,459			2,190	221	27,663	125	39	164	15
..	90,000	72,000	87,000		500	2,500	262	90,000	60	40	100	16
..	78,813	74,376	76,593		323	1,897	141	78,813	91	30	121	17
50	71,361	70,981	69,398		325	1,638	156	71,361	92	32	124	18
84	70,504	75,529	68,114		390	2,000	210	70,504	60	22	82	19
..	66,430	71,412	64,930		500	1,000	143	66,430	59	35	94	20
85	62,079	48,556	60,494			1,585	125	62,079	100	30	130	21
00	59,700	45,322	58,000	1,000		700	304	59,700	40	12	52	22
89	59,167	45,692	57,278			1,889	200	59,167	47	27	74	23
..	57,560	41,732	55,510		50	2,000	68	57,560	120	32	152	24
40	54,553	46,468	53,513			1,040	150	54,553	55	38	93	25
03	51,783	51,975	41,983	5,200		4,600	215	51,783	36	40	76	26
55	40,674	31,748	39,519			1,155	210	40,674	65	72	137	27
99	40,468	37,418	39,769	239	52	408	163	40,468	38	21	59	28
..	35,146	32,543	32,391		200	2,555	216	35,146	33	35	68	29
00	19,344	15,851	17,404		40	1,900	66	19,344	50	31	81	30
..	8,000	6,800	7,700			300	310	8,000	8	2	10	31
17	4,316	4,162	807	105	3,404		308	4,316	4	3	7	32
49	3,903,104	\$3,519,783	3,604,515	9,029	140,716	148,844	204	\$3,336,982	3,279	1,726	5,005	

Williamson County—Tenth District—Continued.

Number.	NAME OF OPERATOR.	Postoffice address of the mine.	OUTPUT OF MINE—				
			Mine run.	Lump.	Egg.	Nut.	Pes. or screenings.
LOCAL MINES.							
1	J. W. Ingram & Son	Marion		2,863			5.75
2	John A. Young	Cartersville		4,562			
3	Lake Creek Coal Co	Johnson City.	3,000				
4	Hemlock Coal Co	Herrin	100	800	100	50	1.00
5	W. S. T. Tarpley	Crab Orchard		1,000			30
6	Spiller & Whitecotton	Cartersville		882		330	
7	George A. Phillips	do.		1,150			
8	E. E. Ensminger	Crab Orchard.		300			30
9	T. M. Motsinger	do.		440			
10	R. A. Canfield	Marion		171			15
11	Marion Brinkley	Gibsonia		100			20
12	J. T. Henson & Sons	Marion		50			30
Totals			3,100	12,945	100	380	7.92
Totals—44 mines			1,053,932	763,024	440,725	502,522	773.03

Mines reported for 1905, 35.
 New mines, 8.
 Mines in 1905, 44.

Williamson County—Tenth District—Concluded.

IN TONS.		Aggregate value of total product.	DISPOSITION OF OUTPUT.				Days of active operation.	Tons mined by hand.	EMPLOYES.			Number.
Stock or waste.	Total.		Tons loaded on cars for shipment.	Tons supplied to locomotives at the mine.	Tons sold to local trade.	Tons consumed or wasted at the mine.			Average number of miners.	All other employes.	Total.	
.....	8,589	\$10,021	.....	.....	8,589	.....	200	8,589	7	3	10	1
.....	4,562	6,843	.....	.....	4,562	.....	200	4,562	5	2	7	2
.....	3,000	3,000	.....	.....	1,500	1,500	250	3,000	8	7	15	3
.....	2,050	1,543	.....	.....	1,800	250	40	2,050	8	8	16	4
.....	1,500	1,375	.....	.....	1,500	.....	125	1,500	3	.....	3	5
.....	1,212	1,350	.....	.....	1,212	.....	105	1,212	2	2	4	6
.....	1,190	1,487	.....	.....	1,190	.....	80	1,190	3	.....	3	7
.....	1,100	1,040	.....	.....	1,100	.....	80	1,100	5	.....	5	8
.....	440	440	.....	.....	440	.....	93	440	3	2	5	9
55	226	270	.....	.....	226	.....	60	226	3	2	5	10
.....	116	106	.....	.....	116	.....	75	116	2	.....	2	11
.....	100	95	.....	.....	100	.....	50	100	2	.....	2	12
55	24,085	\$27,570	.....	.....	22,335	1,750	113	24,085	51	26	77	
283,304	3,927,189	\$3,547,353	3,604,515	9,029	163,051	150,594	.....	\$3,361,067	3,330	1,752	5,082	*

Shipping Mines—Recapitulation by

COUNTIES.	Number of shipping mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Gallatin	2	8,700	42,136	1,978	20,809	12,918	3,723	90,264	\$0.517	.....
Jackson	11	34,306	309,310	97,734	43,783	195,856	60,807	741,796	0.4814	\$0.4312
Saline	15	353,478	123,035	5,553	27,518	77,449	9,047	596,080	0.4826	0.45
Williamson	32	1,080,832	750,076	440,628	582,142	766,177	283,249	3,903,104	0.45	0.3699
Totals and av....	60	1,477,316	1,224,557	545,893	674,252	1,052,400	356,826	5,331,244	\$0.4583	\$0.396

Local Mines—Recapitulation by

COUNTIES.	Number of local mines.	PRODUCTION OF DIFFERENT GRADES— IN TONS.						Total tons produced.	PRICES PAID PER TON FOR—	
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.		Hand mining.	Machine mining.
Gallatin	5	.....	8,204	.....	.....	1,300	92	9,596	\$0.6029	.....
Jackson	11	2,196	13,073	.....	2,672	117	108	18,166	0.6083	.....
Johnson	2	.....	912	.....	.....	.....	.....	912	0.65	.....
Saline	7	.....	4,560	.....	1,140	150	49	5,899	0.7198	.....
Williamson	12	3,100	12,948	100	380	7,502	55	24,085	0.506	.....
Totals and av....	37	5,296	39,697	100	4,192	9,069	304	58,658	\$0.5772	.....
Totals, districts —all mines	97	1,482,612	1,264,254	545,993	678,444	1,061,469	357,130	5,389,902	.....	.....

Whole number of mines reported in 1905, 73.

Number of new mines opened during the year, 24.

Whole number of mines reported in 1906, 97.

Counties—Tenth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYED.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Eng.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
151	90,264		\$1.00	\$1.15	\$1.00	\$0.90	\$0.2000	\$0.20	97	200	297
184	367,085	874,711	0.9822	1.2671	1.2311	1.1671	0.084	0.101	925	500	1,425
156	566,294	29,786	1.0864	1.4942	1.50	1.10	0.0801	0.25	500	200	700
204	2,336,982	566,122	0.8833	1.2224	1.214	0.9826	0.5606	0.2047	2,279	1,720	3,999
189	4,360,625	970,619	\$0.9382	\$1.2644	\$1.2192	\$0.9750	\$0.5706	\$0.2679	6,779	2,716	9,495

Counties—Tenth District—1906.

Average number of days in operation.	HOW MINED.		AVERAGE VALUE AT THE MINE.						EMPLOYED.		
	Tons mined by hand.	Tons mined by machine.	Mine run.	Lump.	Eng.	Nut.	Pea or screenings.	Slack or waste.	Number of miners.	All other employees.	Total.
144	9,380		\$0.2000				\$0.0000	\$0.00	20	0	20
173	18,000		\$0.0000	1.1100			\$0.00	\$0.00	0	1	1
60	910			1.1000					0	1	1
67	5,000			1.0000			\$0.00	\$0.00	0	0	0
113	20,000		1.00	1.2000			\$0.00	\$0.00	10	0	10
124	20,000		\$0.0000	\$0.0000			\$0.00	\$0.00	0	0	0
	4,360,625	970,619							6,779	2,716	9,495

APPENDIX.

**Register of Certificated Mine Managers, Hoisting Engineers,
Mine Examiners.**

ILLINOIS FREE EMPLOYMENT OFFICES

EIGHTH ANNUAL REPORT.

MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY.

NOTE—This list includes all the mine managers to whom certificates have been issued prior to Jan. 1, 1907.

The names which are printed in *italic* are those who hold both certificates of service and subsequent certificates of competency acquired through examination.

The names which are followed by the abbreviation "ex." are those who have exchanged certificates of service for those of competency, without examination, under the provisions of the amendment of 1895. Names followed by the letter "d" are deceased.

The postoffice addresses here given, and in all the lists following, are those recorded at the time the certificates were issued, and in many cases are not the present addresses of the certificate holders.

Name.	Postoffice.	Name.	Postoffice.																																																																																																																																				
<i>Adams, Charles L.</i>	Rosboro	Baker, Charles.....	Centralla																																																																																																																																				
Adams, J. M.....	Wanlock	Baker, Gustav.....	Streator																																																																																																																																				
Ainsworth, Samuel (d).....	Taylorville	Back, Thomas.....	Mapleton	Ainsworth, Samuel, Jr.....	Taylorville	Bailey, William.....	Athens	Ainsworth, Thomas.....	Taylorville	Bailey, Joseph.....	Duquoin	Aitken, James.....	Streator	Baird, J. D.....	Westville	Alexander, J.....	Collinsville	Ball, Edward.....	Bartonville	Allen, Fred.....	Staunton	Barlow, Henry.....	Coffeen	Allen, David T.....	LaSalle	Barlow, John W.....	Johnson City	<i>Amberger, Joseph</i>	Glen Carbon.....	Barnes, James.....	Braidwood	Amerson, Wm. A.....	Moweaqua	Barnett, Oliver.....	Bryant	Anderson, W. C.....	Elmwood	Barratt, John C.....	Duquoin	Anderson, George.....	Streator	Barron, James, ex.....	Cantrall	Anderson, James.....	Ladd		Braidwood	Anderson, James C.....	Streator	Barrowman, William T.....	DeSoto	Anderson, John M.....	Streator	Bartlett, Thomas, ex.....	Cuba	Anderson, James.....	Kewanee	<i>Rashong, Andrew</i>	Danville	<i>Andreas, Aug.</i>	Belleville	<i>Rorwell, John</i>	Marrissa	<i>Angel, Hiram</i>	Belleville	Basso, Joseph.....	Athens	Angell, Charles.....	Belleville	<i>Rates, W. H.</i>	Winchester	Apblett, William R.....	Springfield	Rates, R. D.....	Winchester	Appleby, John E.....	Peoria	Rauder, Fred.....	Herrin	Argyle, Joseph.....	Coal City.....	Baumer, Fred.....	Marquette	Atkinson, Edward.....	Streator	Bauer, Valentine.....	Clyde	<i>Atkinson, E. Lee</i>	Streator	Baxter, William (d).....	Ladd	Atkinson, J. G.....	Pekin	Beaghan, Peter.....	Cantrall	Atkinson, William (d).....	Murphysboro.....	<i>Beattie, Richard</i>	Murphysboro.....	Atkinson, William.....	Praceville	Beattie, John.....	Danville	Armstrong, Thomas J.....	Spring Valley.....	Beatty, James.....	Mascoutah	Armstrong, William C.....	Marion	Beatty, James H.....	Mascoutah	Archer, John.....	Barclay	Beatty, Neph.....	Mascoutah	Ash, T. G.....	Girard	Becker, Henry.....	Peoria	Aston, Huber, ex.....	Fairmount	Becker, Peter.....	Petersburg	Archibald, David.....	Freeburg	Becker, F. W.....	Pinckneyville	Ax, John.....	Edwardsville	Becker, Charles.....	Staunton	<i>Axford, Thomas</i>	Petersburg	Beckman, Theodore.....	Glen Carbon.....
Ainsworth, Samuel, Jr.....	Taylorville	Bailey, William.....	Athens	Ainsworth, Thomas.....	Taylorville	Bailey, Joseph.....	Duquoin	Aitken, James.....	Streator	Baird, J. D.....	Westville	Alexander, J.....	Collinsville	Ball, Edward.....	Bartonville	Allen, Fred.....	Staunton	Barlow, Henry.....	Coffeen	Allen, David T.....	LaSalle	Barlow, John W.....	Johnson City	<i>Amberger, Joseph</i>	Glen Carbon.....	Barnes, James.....	Braidwood	Amerson, Wm. A.....	Moweaqua	Barnett, Oliver.....	Bryant	Anderson, W. C.....	Elmwood	Barratt, John C.....	Duquoin	Anderson, George.....	Streator	Barron, James, ex.....	Cantrall	Anderson, James.....	Ladd		Braidwood	Anderson, James C.....	Streator	Barrowman, William T.....	DeSoto	Anderson, John M.....	Streator	Bartlett, Thomas, ex.....	Cuba	Anderson, James.....	Kewanee	<i>Rashong, Andrew</i>	Danville	<i>Andreas, Aug.</i>	Belleville	<i>Rorwell, John</i>	Marrissa	<i>Angel, Hiram</i>	Belleville	Basso, Joseph.....	Athens	Angell, Charles.....	Belleville	<i>Rates, W. H.</i>	Winchester	Apblett, William R.....	Springfield	Rates, R. D.....	Winchester	Appleby, John E.....	Peoria	Rauder, Fred.....	Herrin	Argyle, Joseph.....	Coal City.....	Baumer, Fred.....	Marquette	Atkinson, Edward.....	Streator	Bauer, Valentine.....	Clyde	<i>Atkinson, E. Lee</i>	Streator	Baxter, William (d).....	Ladd	Atkinson, J. G.....	Pekin	Beaghan, Peter.....	Cantrall	Atkinson, William (d).....	Murphysboro.....	<i>Beattie, Richard</i>	Murphysboro.....	Atkinson, William.....	Praceville	Beattie, John.....	Danville	Armstrong, Thomas J.....	Spring Valley.....	Beatty, James.....	Mascoutah	Armstrong, William C.....	Marion	Beatty, James H.....	Mascoutah	Archer, John.....	Barclay	Beatty, Neph.....	Mascoutah	Ash, T. G.....	Girard	Becker, Henry.....	Peoria	Aston, Huber, ex.....	Fairmount	Becker, Peter.....	Petersburg	Archibald, David.....	Freeburg	Becker, F. W.....	Pinckneyville	Ax, John.....	Edwardsville	Becker, Charles.....	Staunton	<i>Axford, Thomas</i>	Petersburg	Beckman, Theodore.....	Glen Carbon.....				
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Anderson, George.....	Streator	Barron, James, ex.....	Cantrall	Anderson, James.....	Ladd		Braidwood	Anderson, James C.....	Streator	Barrowman, William T.....	DeSoto	Anderson, John M.....	Streator	Bartlett, Thomas, ex.....	Cuba	Anderson, James.....	Kewanee	<i>Rashong, Andrew</i>	Danville	<i>Andreas, Aug.</i>	Belleville	<i>Rorwell, John</i>	Marrissa	<i>Angel, Hiram</i>	Belleville	Basso, Joseph.....	Athens	Angell, Charles.....	Belleville	<i>Rates, W. H.</i>	Winchester	Apblett, William R.....	Springfield	Rates, R. D.....	Winchester	Appleby, John E.....	Peoria	Rauder, Fred.....	Herrin	Argyle, Joseph.....	Coal City.....	Baumer, Fred.....	Marquette	Atkinson, Edward.....	Streator	Bauer, Valentine.....	Clyde	<i>Atkinson, E. Lee</i>	Streator	Baxter, William (d).....	Ladd	Atkinson, J. G.....	Pekin	Beaghan, Peter.....	Cantrall	Atkinson, William (d).....	Murphysboro.....	<i>Beattie, Richard</i>	Murphysboro.....	Atkinson, William.....	Praceville	Beattie, John.....	Danville	Armstrong, Thomas J.....	Spring Valley.....	Beatty, James.....	Mascoutah	Armstrong, William C.....	Marion	Beatty, James H.....	Mascoutah	Archer, John.....	Barclay	Beatty, Neph.....	Mascoutah	Ash, T. G.....	Girard	Becker, Henry.....	Peoria	Aston, Huber, ex.....	Fairmount	Becker, Peter.....	Petersburg	Archibald, David.....	Freeburg	Becker, F. W.....	Pinckneyville	Ax, John.....	Edwardsville	Becker, Charles.....	Staunton	<i>Axford, Thomas</i>	Petersburg	Beckman, Theodore.....	Glen Carbon.....																																								
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Atkinson, Edward.....	Streator	Bauer, Valentine.....	Clyde	<i>Atkinson, E. Lee</i>	Streator	Baxter, William (d).....	Ladd	Atkinson, J. G.....	Pekin	Beaghan, Peter.....	Cantrall	Atkinson, William (d).....	Murphysboro.....	<i>Beattie, Richard</i>	Murphysboro.....	Atkinson, William.....	Praceville	Beattie, John.....	Danville	Armstrong, Thomas J.....	Spring Valley.....	Beatty, James.....	Mascoutah	Armstrong, William C.....	Marion	Beatty, James H.....	Mascoutah	Archer, John.....	Barclay	Beatty, Neph.....	Mascoutah	Ash, T. G.....	Girard	Becker, Henry.....	Peoria	Aston, Huber, ex.....	Fairmount	Becker, Peter.....	Petersburg	Archibald, David.....	Freeburg	Becker, F. W.....	Pinckneyville	Ax, John.....	Edwardsville	Becker, Charles.....	Staunton	<i>Axford, Thomas</i>	Petersburg	Beckman, Theodore.....	Glen Carbon.....																																																																																				
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Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Beese, John.....	O'Fallon.....	Burke, George, ex.....	Peru.....
Beese, Charles A.....	Belleville.....	Burkhardt, John B.....	Mt. Olive.....
Beese, John.....	Birkner.....		
Beggs, David W.....	Marquette.....		
Beharrelle, Fred.....	Orchard Mines.....	Cadmus, George T.....	Lebanon.....
Bell, Richard.....	Gillespie.....	Callear, Isaac.....	Pottstown.....
Bell, William.....	Streator.....	Cameron, David J.....	Pana.....
Belger, John.....	Nilwood.....	Cameron, D. S., ex.....	Sorento.....
Beltz, Andrew.....	Harrisburg.....	Campbell, William.....	Sandoval.....
Bengston, John A., ex.....	Galva.....	Campbell, Edward.....	Greenville.....
Bennett, James.....	Odin.....	Campbell, Frank J.....	Athens.....
Bennett, John (d).....	Centralia.....	Campbell, Thomas N. (d).....	Pinckneyville.....
Berkstresser, W. A.....	Duquoin.....	Campbell, H. J.....	Assumption.....
Berry, Jessair.....	Greenville.....	Campbell, R. W.....	Decatur.....
Betts, Joseph E.....	Belleville.....	Canfield, R. A.....	Madisonville, Ky.....
Betts, Charles C.....	Duquoin.....	Cannon, John.....	Marquette.....
Bevard, John J.....	Klamundy.....	Cardwell, Elliott.....	Zeigler.....
Bevard, F. C.....	Carterville.....	Carraher, Thomas.....	O'Fallon.....
Beynon, J. G.....	Belleville.....	Carroll, A. W.....	Gillespie.....
Beveridge, David.....	Sorento.....	Carlson, Andrew.....	Colfax.....
Beggs, Samuel, ex.....	Clark City.....	Carson, J. H.....	O'Fallon.....
Biebel, Henry, ex.....	Rentschler.....	Carson, Charles W.....	Wolcott.....
Biggins, James.....	Sorento.....	Carter, Charles.....	Birkner.....
Bingham, Robert.....	O'Fallon.....	Carter, George.....	Birkner.....
Bird, George W.....	Coffeen.....	Cartledge, Oscar.....	Gillespie.....
Birtin, Henry.....	Pana.....	Carroll, John (d).....	O'Fallon.....
Birtley, William P.....	Springfield.....	Caarylon, J.....	Oglesby.....
Blair, Gus.....	Murphysboro.....	Casey, James F.....	Selbytown.....
Blair, Herbert.....	Divernon.....	Catheart, Matthew, ex.....	Tilden.....
Blackenship, William F.....	East Peoria.....	Center, George H.....	Halidayboro.....
Blenkinsopp, Thomas N.....	Cable.....	Chalderton, John.....	Lenz Station.....
Bobell, Louis.....	Mt. Pulaski.....	Chambers, William.....	Spaulding.....
Boetticher, F. J.....	Athens.....	Champe, William.....	Coffeen.....
Boston, G. W.....	Murphysboro.....	Charnock, James.....	Decatur.....
Boston, James.....	Duquoin.....	Charlton, George R.....	Greenville.....
Bottomly, Edward.....	Oglesby.....	Cherry, John T.....	Seatonville.....
Bottomly, John.....	Oglesby.....	Cherry, James.....	Seatonville.....
Bowen, M. I.....	Staunton.....	Cherry, W. S.....	Streator.....
Bowers, Robert.....	Wenona.....	Chere, George.....	Pleasant Plains.....
Bowie, James.....	Braidwood.....	Checkin, David.....	Reed City.....
Bowie, George.....	Braidwood.....	Chivers, Joseph.....	Braceville.....
Boyer, J. A.....	Fairmount.....	Connolly, Terrance J.....	Assumption.....
Bracken, James A.....	Greenville.....	Christie, David.....	Murphysboro.....
Bradenberger, F.....	Belleville.....	Church, Henry M.....	Marissa.....
Breeze, John A.....	Taylorville.....	Clark, Martin.....	Collinsville.....
Brennan, John L.....	Virden.....	Clark, Edward.....	Decatur.....
Brennan, Patrick.....	Toluca.....	Clark, Quinton.....	Decatur.....
Brennan, George.....	Belleville.....	Clark, Thomas.....	Braidwood.....
Bressmen, William.....	Springfield.....	Clark, John.....	Decatur.....
Brinley, William R.....	Westville.....	Clark, Walter J.....	Collinsville.....
Brockhouse, Samuel.....	Caseyville.....	Clayton, Frank.....	Troy.....
Brigham, William.....	Marissa.....	Clelland, Robert.....	Braidwood.....
Brooks, Peter (d).....	Taylorville.....	Clifford, Michael J.....	Kewanee.....
Browitt, Andrew.....	Bush.....	Coar, Firman.....	Worden.....
Browitt, Benjamin.....	Braidwood.....	Coleman, Mont. S.....	Virden.....
Brown, Andrew.....	Staunton.....	Collier, Frank J.....	Bartonville.....
Brown, John.....	Glen Carbon.....	Collins, Richard J., ex.....	O'Fallon.....
Brown, John.....	Pinckneyville.....	Combs, James W.....	Kewanee.....
Brown, Thomas Manhall.....	Coal City.....	Comford, L.....	Cantrall.....
Brown, William J.....	Pontiac.....	Condis, Malcomb.....	Spring Valley.....
Brown, William F.....	Murphysboro.....	Conity, Patrick.....	Duquoin.....
Brown, James B.....	Farmington.....	Cooper, Charles.....	Nilwood.....
Brown, F. M.....	Peoria.....	Cook, Robinson.....	Riverton.....
Brown, Leslie.....	Duquoin.....	Cook, William.....	Peoria.....
Browning, J. M.....	Staunton.....	Cook, William.....	Duquoin.....
Bruecker, Emil.....	Belleville.....	Condon, Charles H.....	Hanna City.....
Brueggeman, George.....	St. John.....	Connors, William.....	Toluca.....
Bulmer, John, ex.....	Muddy Valley.....	Connell, Nicol E.....	Peoria.....
Bulmer, Benjamin.....	Streator.....	Conrad, William.....	Springfield.....
Bundy, John.....	Colchester.....	Cosgrove, Bernard.....	Sparta.....
Burdett, J. P.....	Gillespie.....	Costello, Henry.....	Pana.....
Burris, William S.....	Catlin.....	Castor, George.....	Grape Creek.....
Bushong, Frank O.....	Springfield.....	Corcoran, Charles.....	Murphysboro.....
Butzke, Frank.....		Corrigan, James.....	Marselles.....

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
ey, James D.	Westville	Donnelly, P. H.	Chicago
William	Assumption	Donnelly, Henry	Braidwood
Eugene	Centralla	Doughty, James	Danville
John E.	Murphysboro	Dougherty, Daniel	Virginia
B. S.	Murphysboro	Dougherty, Thomas	Marion
Roy E.	Tamaroa	Dowell, Thomas	Muddy Valley
ton, Edward	Murphysboro	Downing, Timothy	Briar Bluff
J. E.	Virden	Drake, George	Streator
shaw, Thomas	Decatur	Ducas, J.	Grape Creek
shaw, William	Decatur	Duddy, John	Pana
ton, Lawson	Taylorville	Dudek, John	Kinmundy
on, Robert	Chenoa	Duffner, J. W.	Belleville
er, Richard A.	Moccasin	Duncan, Charles	Streator
shanks, John	Farmington	Dunn, James	Collinsville
shanks, Walter E.	East Peoria	Dunnigan, Virgil B.	Virden
shanks, William	Middle Grove	Dunnigan, Oscar	Virden
James T.	Spring Valley	Dunham, John F. (d)	Springfield
ing, Ambrose B.	Spariland	Dunlop, John	Odin
ing, James P.	Spariland	Durkin, Michael	Sunfield
ing, John P.	Braceville		
ing, Thomas S.	Gardner	Eadie, John	Sherman
ing, D. H.	Gardner	Earl, William	Braidwood
ingham, Thomas	Girard	Eaton, A. C.	Zeigler
ingham, Cormick (d)	Springfield	Eccles, John	Salem
ingham, David	Gillespie	Edwards, S. E.	Centralla
Adam	LaSalle	Edwards, Thomas	Springfield
		Edmunds, Morgan	Mt. Olive
er, Anton	Belleville	Enret, Frank A.	Wesley
Henry	Murphysboro	Eller, William	Edwardsville
John	Fredonia	Ellington, Jacob	Dewmaine
is, James	Belleville	Emery, Charles	Breese
is, Samuel	Belleville	Emery, Joseph	Belleville
is, Alexander	Henry	English, Thomas	Streator
is, Joel S.	Belleville	Erwin, William	Belleville
is, William	Lincoln	Essex, George W.	Soperville
Oaleb	Collinsville	Eubanks, Edward	Halldayboro
J. H.	Cuba	Evans, George	Lincoln
Thomas	Dunfermline	Evans, Edward J.	Glassford
Thomas M.	Virden	Evans, Harry M.	Harrisburg
P. J.	Percy	Evans, John Nine, ex.	LaSalle
William	Litchfield	Evans, John O., ex.	O'Fallon
Rees P.	Springfield	Evans, John	Bissel
William H.	Streator	Evans, Albert E.	Streator
son, M.	Duquoin	Evans, William	Norris
son, James	Sparta	Evans, William H.	Harrisburg
son, Forest	Sandoval	Evans, John O., Jr.	Caseyville
port, John	Harrisburg		
ins, William E.	Belleville	Fagan, Michael	Spring Valley
on, Daniel	Campbell Hill	Fagan, Patrick T. (d)	Decatur
on, Richard	Athens	Fanke, Anton	O'Fallon
Henry	Percy	Fairbairn, Thomas	Streator
n. Abraham L.	Middletown	Fairlie, James	Gilchrist
y, George H.	Farmington	Falcetti, John B.	Glen Carbon
John L.	Springfield	Falcomer, George P.	Belleville
Lawrence	Springfield	Farnsworth, Lawrence, ex.	Barclay
i. Henry	Tolna	Farnsworth, Thomas J.	Spaulding
i. Thomas H.	Spring Valley	Felker, John	Danville
i. Francis J.	So. Wilmington	Fellows, Edward	Streator
nd, Peter	Duquoin	Ferguson, John	Reed City
Robert	Duquoin	Ferguson, Walter	Braidwood
rson, James E.	Belleville	Ferguson, William	Duquoin
rson, J. L.	Danville	Ficker, A. W.	Worden
rson, Thomas F.	Norris	Finrock, M. M.	Pana
rson, William T.	Athens	Fisher, Stephen	Gillespie
William (d)	Cable	Flavel, Jonah	Duquoin
H. N.	St. David	Fleming, James	Decatur
oe, James	Cartersville	Fleming, Jacob	Kewanee
acon, William	Kangley	Flesher, Andrew	Taylorville
acon, James W.	Peoria	Fletcher, John	LaSalle
acon, John A.	Himrod	Fletcher, John J.	Collinsville
illy, James	Cartersville	Fletcher, T. C.	Collinsville
r, Harry	Springfield	Fletcher, William	Collinsville
r, P. J.	Glenburn		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
<i>Flood, John</i>	Spring Valley...	Groom, John.....	Belleville
<i>Foley, George, ex</i>	LaSalle	Grosspittch, August.....	Belleville
<i>Foley, W. B.</i>	Mapleton	Guest, Joseph, ex.....	Belleville
<i>Foley, Arthur C.</i>	Auburn	Guest, John.....	Belleville
<i>Forsythe, Peter</i>	Centralia	Guiney, Martin G.....	Marion
<i>Forsythe, Robert</i>	Murphysboro.....	Guiney, James T.....	Braidwood
<i>Foster, William</i>	Lincoln	Gutherie, Farquhar M.....	Gilchrist
<i>Foster, James</i>	Marion		
<i>Fohl, Bernard, ex</i>	Belleville		
<i>Fox, John</i>	Elberley	Haddick, John, Jr.....	Cable
<i>Francis, T. L.</i>	Braidwood	Haddick, William, ex.....	Sherrard
<i>Frazee, William H.</i>	Danville	Haddow, Thomas.....	Pana
<i>Franklin, Bernard</i>	Lincoln	Hazerton, Joseph.....	St. John.....
<i>Frew, Archibald</i>	Moweaqua	Halle, George.....	Ladd
<i>Freer, James</i>	Peoria	Hall, John.....	Sherrard
<i>Fremgen, Casper</i>	Edwardsville	Hallemerer, Julius, ex.....	Golden Eagle.....
<i>Friska, Jan</i>	Edwardsville	Hall, Matthew.....	Braceville
<i>Fritz, William, ex</i>	Breeze	Hainsel, Daniel.....	Lenzburg
		Halbert, J. A.....	Westville
		Halbert, W. S.....	Westville
		Hamilton, Thomas.....	Nashville
		Handwright, James.....	Virden
		Hanley, John H.....	Springfield
		Hannah, Thomas.....	Iles Junction.....
		Hardin, Joseph H.....	Vandercook
		Harding, Enos.....	Birkner
		Harding, Thomas F.....	Danville
		Harding, William.....	Lebanon
		Hachet, Joseph.....	Blue Mound.....
		Hardy, Rufus E.....	Murphysboro.....
		Harkes, William.....	Coal City.....
		Harper, William J.....	Springfield
		Harper, John.....	Colchester
		Harriman, John.....	Peoria
		Harris, Tom.....	Mulkeytown
		Harris, James S.....	DuBois
		<i>Harrison, Ernest</i>	Streator
		Harrison, John.....	Virden
		Harrison, John, ex.....	Odin
		Harrison, William.....	Murphysboro.....
		Harrison, James.....	Athens
		Harrop, James T.....	Seatonville
		Hartman, Frank, ex.....	Murphysboro.....
		Hartman, William.....	Freeburg
		Haseton, F. D.....	Spaulding
		Haskins, George H.....	Grape Creek.....
		Haskins, Joseph.....	Grape Creek.....
		Hanck, Fred.....	Glen Carbon.....
		Hawkins, Sidney.....	Belleville
		Haydon, J. S.....	Springfield
		Haves, Webster.....	Edwardsville
		Heves, Henry.....	Streator
		Hehenstreit, Bruno (d).....	Staunton
		Hehenstreit, E. W.....	Staunton
		Hehenstreit, T. G.....	Staunton
		Hehenstreit, J. P.....	Staunton
		Heinle, Walter.....	DeSoto
		Heilrich, Henry.....	Rentchler
		Henderson, Edward.....	Springfield
		Henderson, Joseph.....	Coal City.....
		Henderson, Thomas.....	Marissa
		Hendricks, Charles W.....	Belleville
		Henley, J. H.....	New Athens.....
		Henley, Richard.....	Niantic
		Heppard, George.....	Tilden
		Henry, Frederick.....	Kewanee
		Henry, John T.....	Pontiac
		Henry, Philip.....	Kewanee
		Heriot, James (d).....	Spring Valley.....
		Heron, George.....	DeSoto
		Hernon, William.....	Glen Carbon.....
		Hetherington, Benj. M.....	LaSalle
		<i>Hester, John</i>	Freeburg
		Hibberd, George.....	Peoria
Gaffigan, Michael.....	Petersburg		
Gaffigan, Patrick J.....	Springfield		
Gallbraith, George.....	Tamaroa		
Garrity, John.....	Riverton		
Gaul, Henry J.....	Ridge Prairie.....		
Gavin, Barney.....	Springfield		
Gelsler, Ernest.....	Golden Eagle.....		
Gell, Phillip.....	Gilchrist		
Gibson, Michael.....	Spring Valley.....		
<i>Gilbert, Edward</i>	Niantic		
Gile, William.....	Gillespie		
Gilchrist, John W.....	Gilchrist		
Gilchrist, H. M.....	Gilchrist		
Glass, William H.....	Pana		
Gluck, Leo.....	Spring Valley.....		
Gonaby, John F.....	Gillespie		
Goddard, Benjamin B.....	Duquoin		
Goddard, William.....	Duquoin		
<i>Godber, William</i>	Cuba		
<i>Golden, George</i>	Springfield		
Golden, William D.....	Springfield		
Gorsuch, R. H.....	Springfield		
Goodall, George.....	Assumption		
<i>Goodwin, Robert A.</i>	Pontiac		
Gordon, Ephraim G.....	Wanlock		
Grabuck, Emil T.....	Staunton		
Grabuck, R. H.....	Staunton		
Graham, Hiram.....	Virden		
Graham, John W.....	Dunfermline		
Graham, Louis A.....	Jacksonville		
Graham, William.....	Virden		
Graham, David L.....	Springfield		
Graham, John (d).....	Marion		
Granell, Ira.....	Herrin		
Grant, Peter, Jr.....	Peoria		
Gratz, Gottlieb.....	Hornshy		
<i>Grumlich, Fred W.</i>	Belleville		
Grumlich, Jul. M.....	Belleville		
Gray, Thomas R.....	Springfield		
Gray, Peter.....	Pana		
Green, Arthur.....	Braceville		
Green, Thomas H.....	Springfield		
Green, W. H.....	Belleville		
Green, Joseph, ex.....	Marissa		
Green, John W.....	Springfield		
Green, John.....	Belleville		
<i>Green, Robert</i>	Springfield		
Greenwood, John R.....	Edinburg		
<i>Greenwood, Robert</i>	Duquoin		
Grieve, Peter.....	Collinsville		
Grieve, Peter, Jr.....	Collinsville		
Grieve, Peter.....	Belleville		
Griffin, John.....	Centrall		
Grinrod, William E.....	Belleville		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
John.....	Springfield.....	Jones, Harry D.....	Riverton.....
Richard J.....	Sherrard.....	Jones, John H.....	Duquoin.....
A. W.....	Wyoming.....	Jones, Logan.....	Marissa.....
James.....	Wyoming.....	Jones, Robert R.....	Oglesby.....
Marshall.....	Cartersville.....	Jones, T. L.....	Ladd.....
Edward.....	Colchester.....	Jones, William.....	Marissa.....
John A.....	Moline.....	Jones, William E.....	Sheffield.....
n. Harvey.....	Canton.....	Jones, William E.....	Wesley City.....
d. William J.....	Belleville.....	Jones, William M.....	Tamaroa.....
g. Charles.....	Tilden.....	Jones, David W.....	Auburn.....
n. John.....	Duquoin.....	Jordan, Robert (d).....	Streator.....
s. Thomas F.....	Lincoln.....		
g. Charles A.....	Harrisburg.....	Kahle, Joseph.....	Coulterville.....
n. Robert.....	Percy.....	Kane, Charles H.....	Dunfermline.....
n. Robert J.....	Duquoin.....	Kane, John M.....	Springfield.....
s. Thomas H.....	Duquoin.....	Kaney, John M.....	Centralia.....
D. J.....	Duquoin.....	Kay, John.....	Pawnee.....
s. Eben (d).....	Braceville.....	Kay, James.....	Sherrard.....
s. T. J.....	Duquoin.....	Karral, Charles.....	Westville.....
James.....	Braidwood.....	Karral, Edgar (d).....	Braceville.....
William.....	Braidwood.....	Kasher, Thomas.....	Braidwood.....
T. H.....	Staunton.....	Keating, James A.....	Streator.....
s. Thomas.....	Etherly.....	Keay, A. H. S.....	Seatonville.....
s. James.....	Braidwood.....	Keay, John (d).....	Springfield.....
s. John W.....	Braidwood.....	Keefe, Edward.....	Colfax.....
s. Hugh J.....	Pana.....	Keefer, William.....	Danville.....
s. John J.....	Litchfield.....	Kell, Matthew.....	Dubois.....
s. J. A.....	Hillary.....	Kell, Peter.....	Dubois.....
ert. Henry.....	Breese.....	Kelley, Bernard.....	Litchfield.....
reys, Edward.....	Murphysboro.....	Kelley, D. J.....	Carbon Hill.....
Ralph.....	Colchester.....	Kelley, Frank S.....	Centralia.....
Albert J.....	Edwards.....	Kelley, Joseph G. ex.....	Braidwood.....
s. James, ex.....	Tallula.....	Kelley, Robert D.....	Carbon Hill.....
		Kelley, J. D. Sr.....	Carbon Hill.....
s. James.....	Athens.....	Knepper, Henry.....	Gillespie.....
James M.....	Pontiac.....	Kennedy, J. W.....	Pana.....
ans, William.....	Lebanon.....	Kenney, Thomas.....	Springfield.....
William.....	Litchfield.....	Kerr, John.....	Rushville.....
		Kidd, Alexander.....	Oglesby.....
n. George W.....	Cable.....	Kidd, Andrew.....	Oglesby.....
on. Charles P.....	St. David.....	Kidd, W.....	Ridge Prairie.....
John.....	Mt. Olive.....	Kidd, Eugene.....	Ridge Prairie.....
Johan.....	Grape Creek.....	Klenbsnh, David.....	Edwards Station.....
William.....	Belleville.....	Killingsworth, C.....	Pinckneyville.....
Richard.....	Belleville.....	Kincaid, Lee.....	Athens.....
R. H.....	Kingston Mines.....	Kirby, James.....	Athens.....
Thomas H., ex.....	Kingston.....	Kirchner, Frank.....	Belleville.....
Peter.....	Cartersville.....	Kirkwood, Martin.....	Rirkner.....
s. Alexander.....	Dunfermline.....	Klinginfus, Otto.....	Belleville.....
s. David.....	South Danville.....	Klinginfus, Emil.....	Belleville.....
s. Thomas C.....	Murphysboro.....	Kloever, Jos.....	Pana.....
s. J. A.....	Dunfermline.....	Knapp, Charles.....	Seatonville.....
s. John L.....	Fairbury.....	Koles, Henry.....	Breese.....
s. T. E.....	Danville.....	Kortkamp, William.....	Hillsboro.....
re, William M.....	Duquoin.....	Kortkamp, Louis.....	Hillsboro.....
John W.....	Equality.....	Kramer, Anthony P.....	Sato.....
Evan D.....	Spaulding.....	Kramer, Leo.....	Stonington.....
n. Andrew.....	Nashville.....	Krantz, Jacob.....	Belleville.....
n. William.....	Danville.....	Krepper, William.....	Springfield.....
s. James.....	Pinckneyville.....		
on. Cochran (d).....	Spring Valley.....	Lacour, August.....	Bartonville.....
on. Samuel.....	Oglesby.....	Laesser, Adolph.....	Belleville.....
n. Nels.....	West Frankfort.....	Lander, Alexander.....	Cartersville.....
on. William.....	Marion.....	Lannoe, Frank.....	Worden.....
on. William.....	Elmwood.....	Large, James M.....	Athens.....
Thomas F. (d).....	Collinsville.....	Lawa, J. M.....	Cuba.....
Charles.....	Marissa.....	Lawson, John.....	Mt. Olive.....
Thomas.....	Taylorville.....	Lawson, Thomas.....	Lake Creek.....
David.....	Marissa.....	Lawson, Arthur.....	Edwardsville.....
D. L.....	Taylorville.....	Lawson, John.....	Cable.....
John T.....	Lebanon.....	Leach, John.....	Auburn.....
Edward.....	Oglesby.....	Ledford, Edward E.....	Harrisburg.....

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Lee, Robert.....	Cable.....	Miller, William.....	Lensburg.....
Lee, Robert.....	Sherrard.....	Miller, George W.....	Pawnee.....
Lee, Shellcross G.....	Canton.....	Miller, John K.....	Staunton.....
Lee, William J.....	Cable.....	Miller, Frank R.....	Herrin.....
Legendre, Theodore.....	Mascoutah.....	Milem, John.....	Norris.....
Lehwold, Herman A.....	Springfield.....	Millett, Thomas.....	Collinsville.....
Leichty, James.....	Danville.....	Millhouse, John G.....	Spring Valley.....
Leming, W. C.....	Duquoin.....	Mills, T. J.....	Cable.....
Lettsome, William.....	Carbon Hill.....	Mitchel, T. J.....	Pana.....
Lettsome, Absalom.....	Carbon Hill.....	Mize, Walter.....	Blue Mound.....
Lewis, Charles F.....	Sparta.....	Moffat, R. E.....	Percy.....
Lewis, James.....	Bryant.....	Moffat, Thomas.....	Percy.....
Lewis, William.....	Streator.....	Monaghan, Edward.....	Carbon Hill.....
Lindley, Richard.....	Collinsville.....	Monaghan, William.....	Braidwood.....
Lindsay, John O.....	Duquoin.....	Moore, Alexander J.....	Chicago.....
Lindsay, Robert.....	Springfield.....	Moore, Samuel.....	Springfield.....
Linsky, P. J.....	Braidwood.....	Marland, John, Jr.....	Wenona.....
Lister, James H.....	Peters Station.....	Moran, Mark.....	Pekin.....
Little, Peter.....	Peoria.....	Morin, Jeremiah.....	Danville.....
Little, Thomas.....	Summerfield.....	Morin, D. A.....	Danville.....
Lively, Robert.....	Marissa.....	Morgan, George.....	Springfield.....
Lloyd, David J.....	Edinburg.....	Morgan, Joseph.....	Streator.....
Lloyd, Rowland R.....	Barclay.....	Morgan, Isaac B.....	Ladd.....
Lloyd, John E.....	Danville.....	Morris, G. W.....	Lebanon.....
Lloyd, Thomas.....	Rentchler.....	Morris, J. H.....	Nashville.....
Lloyd, Thomas.....	Wanlock.....	Morris, James F.....	Springfield.....
Loeffler, Anton.....	LaSalle.....	Morris, P. K.....	Roanoke.....
Lord, John S.....	Springfield.....	Morris, William H.....	Belleville.....
Lord, Henry L.....	Virden.....	Morris, Joseph.....	Nashville.....
Love, William.....	Sherman.....	Morris, Robert.....	Marion.....
Love, John W.....	Carbon Hill.....	Morrissey, Thomas.....	Lebanon.....
Lowery, Frank.....	Orchard Mines.....	Morrison, D. H.....	Girard.....
Lumaghi, Joseph.....	Collinsville.....	Morton, Andrew.....	Virginia.....
Lumaghi, Louis F.....	Collinsville.....	Morton, Robert.....	Virginia.....
		Moses, John L.....	Marion.....
		Moses, Tom.....	Westville.....
		Moss, Thomas.....	Staunton.....
		Mould, Thomas E.....	O'Fallon.....
		Mountjoy, John Hy.....	Wenona.....
		Murdock, John.....	Breeds.....
		Muir, Hunter.....	Etherly.....
		Munster, Anton.....	Westville.....
		Muntz, Jabez.....	Streator.....
		Muntz, William.....	Streator.....
		Murphy, Jerry.....	Chatham.....
		Murphy, Mike.....	Bush.....
		Murphy, John.....	Braidwood.....
		Murphy, Patrick.....	Springfield.....
		Murray, A.....	Nashville.....
		Murray, Hugh.....	Sparta.....
		Murray, James W.....	Westville.....
		Murray, J. H.....	Galva.....
		Murrie, Archibald.....	Centralla.....
		Mustard, George.....	Norris.....
		McAllister, Hector.....	Streator.....
		McAnarney, James.....	Girard.....
		McCann, Patrick.....	Lincoln.....
		McCleary, John.....	Cantrall.....
		McCleary, James.....	Kangley.....
		McClintock, John.....	Murphysboro.....
		McCraner, James.....	Girard.....
		McCride, David.....	Oglesby.....
		McCullough, W. F.....	Mapleton.....
		McDill, James.....	Pana.....
		McDonald, Archibald.....	Westville.....
		McDonald, Robert.....	Streator.....
		McDonald, William.....	Braidwood.....
		McDonald, Adam S.....	Dalsell.....
		McFadden, Joseph.....	Danville.....
		McFarland, William A.....	Edwardsville.....
		McGeachen, Robert (d).....	Sorento.....
		McGinnis, John.....	Springfield.....
		McGunnigal, John.....	Murphysboro.....
		McGunnigal, James.....	Marissa.....
Macke, P. H.....	Ledford.....		
Maicor, Henry.....	Riverton.....		
Malcolm, William J.....	Braceville.....		
Malloy, Henry E. (d).....	Decatur.....		
Mallon, Harry.....	Springfield.....		
Malone, Frank.....	Pinckneyville.....		
Maltby, William (d).....	Braidwood.....		
Mann, Jacob.....	Mascoutah.....		
Markham, John J.....	Taylorville.....		
Marland, John, Jr.....	Wenona.....		
Marland, John, Sr., ex. d.....	Wenona.....		
Marsh, James.....	Riverton.....		
Martin, Charles.....	Middle Grove.....		
Martin, George.....	Farmington.....		
Mason, Eli.....	Edinburg.....		
Mason, Meyrick O.....	LaSalle.....		
Mason, Mark, Jr.....	Sato.....		
Massey, Alfred N.....	Belleville.....		
Massie, John G.....	Marissa.....		
Matthews, W. S.....	Kilmundy.....		
Maxwell, Angus.....	Carlinville.....		
Maule, Alexander.....	Belleville.....		
Mays, John F.....	Pana.....		
Medill, Duncan B.....	Oglesby.....		
Meekhan, Patrick.....	Breeds.....		
Meekhan, Peter.....	Williamsville.....		
Merkle, Benjamin.....	Sandoval.....		
Meyer, Bruno F.....	Staunton.....		
Michaels, Theodore.....	Belleville.....		
Millard, John.....	Peoria.....		
Miller, Edward.....	Sorento.....		
Miller, Charles.....	Laceyville.....		
Milburn, Thomas.....	Edwardsville.....		
Middleton, James L.....	Sandoval.....		
Michaels, Lewis.....	Belleville.....		
Michaels, Otto L.....	Belleville.....		
Miller, Alexander.....	Ridge Prairie.....		
Miller, Hugh.....	Coal City.....		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Agal, Bernard (d)	Spring Valley...	rettier, Moses	Spring Valley...
, Isaac	Coal City	Pettigrew, Robert	Troy
n, Frank	Decatur	Phillips, James	Minonk
an, James	Collinsville	Pick, Edward	Centralla
lan, John	Springfield	Pickett, Joseph	Spring Valley
a, Archibald	Collinsville	Pickett, Robert	Spring Valley
hlin, Patrick	Selbytown	Picton, Joseph	St. David
hlin, William (d)	Auburn	Picton, John W.	Farmington
hlin, William	Ava	Piereson, Robert	Harrisburg
hlin, John	Girard	Pierce, William	Edinburg
, Robert	Girard	Poelker, Joseph	Germantown
mon, Patrick F., d	Spring Valley	Pool, Edgar E.	Murphysboro
ow, Michael	Farmington	Potter, George	Mapleton
, George	Carterville	Postle, John (d)	Braceville
le, A. B.	Bryden	Powell, Albert E.	Belleville
ney, Andrew	Virden	Powell, Evan	Murphysboro
ow, Thomas	Farmington	Powell, David, ex.	Braceville
, William	Athens	Powell, J. E.	Sato
eease	Kangley	Powell, Thomas H.	Belleville
lbert N.	Murphysboro	Powell, Samuel	Roanoke
William	Murphysboro	Price, Fred W.	Centralla
, Thadeus	Glenburn	Price, William	Braceville
Richard	Divernon	Prince, Thomas	Gillespie
eter, ex.	Runker Hill	Proctor, Michael J.	Toluca
b, H. C.	Pana	Proctor, Peter	Braidwood
, Henry T.	Springfield	Prudent, Edward	Centralla
, John	Kingston	Pryce, John M.	Coal Valley
, Richard	Orchard Mines	Pugh, Daniel	St. John
, Richard, Jr.	Kingston Mines	Pullen, Charles	Litchfield
, Thomas	Kingston Mines	Pullen, James	Sorento
, Thomas, Jr.	Kingston Mines	Pye, William	Bartonville
Charles, ex.	Millstadt		
, John	Belleville	Raby, Robert A.	Cuba
george W.	Duquoin	Radford, Thos., ex., (d)	Bloomington
on, George A.	Cuba	Radford, William	Cuba
m, William (d)	Cuba	Radford, James D.	Springfield
, Robert	Virden	Radford, William T.	Bloomington
eter	Belleville	Rae, Robert	Braidwood
red	Freeburg	Ramsey, Charles J.	Gillespie
, Peter	Galva	Randle, Jesse	Girkiner
is, C. K.	Girard	Rarick, Phil. W.	Glen Carbon
, George	Streator	Ratcliffe, Arthur	Kewanee
		Rauth, John	Belleville
a, John	Spring Valley	Rasmussen, James E.	Mineral
, John W.	Toluca	Rasbottom, Frank	Kingston
, John J.	Marquette	Reagan, Daniel	Muddy Valley
, James	Belleville	Reavley, Robert	Riverton
, Patrick J.	Spring Valley	Redshaw, William	Spring Valley
, William	Pana	Redyard, John	Odin
or, James	Spring Valley	Reed, James	Herrin
or, John	Braidwood	Reeb, Phillip	Belleville
or, Patrick F.	Paisley	Reed, W. M.	Girard
, John	Marquette	Reed, William B.	Wilsman
, Peter	Westville	Reents, August	Kramm
John	Germantown	Reece, Daniel	Danville
William	Sandoval	Reid, Andrew	Springfield
William	Tallula	Reid, Joseph	Marion
Robert	Marion	Reilly, Edward	Danville
		Reimann, John	Belleville
Albert	Collinsville	Rernison, Henry	St. John
Joe	S. Wilmington	Reynolds, William	East Peoria
, Joseph T.	Springfield	Reynolds, John	Streator
, William C.	Springfield	Rhodes, Jefferson	Pana
, John	Springfield	Richards, John	Murphysboro
m, J. O.	Assumption	Richardson, Thomas	Spring Valley
George A.	Belleville	Richardson, Joseph	Litchfield
Harry	Riverton	Richardson, Robert	Carterville
John	Braidwood	Ridgley, O. L.	Mt. Olive
, C. T.	Pana	Ritchie, Alex. Sr.	Clinton
Thomas	Norris	Ritchie, A. Jr.	Trenton
J. D.	Murphysboro	Ritchie, Thomas	Streator
		Rittmann, J. J.	Decatur
		Roberts, Benj. D.	Streator

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Roberts, Evan F.	Danville	Simpson, Thomas	O'Fallon
Roberts, Hiram	Collinsville	Sine, Charles A.	Johnston City
Roberts, John D., ex.	Streator	Singler, Edward	Johnston City
Roberts, Thomas D.	Streator	Slak, A. J.	Equality
Robinson, Henry	Gardner	Skinner, Alexander	Diamond
Robinson, John T.	Kingston Mines	Skinner, David (d)	Diamond
Robinson, L. E.	Kingston Mines	Skinner, John	Diamond
Rodden, John	Pana	Skinner, John	Astoria
Rodenburg, Charles	Belleville	Skelton, A. H.	Coal City
Roe, Samuel	Oglesby	Sloan, Edward C.	Wesley City
Roe, Thomas	Oglesby	Small, James	Middle Grove
Rogers, Charles	Duquoin	Smethurst, Nathan	Spring Valley
Rogers, Josiah	Braidwood	Smith, Alexander M.	Sandoval
Rogers, Llewellen	Braidwood	Smith, A. J.	Springfield
Rollo, George	Mt. Olive	Smith, David P.	Dawson
Rollo, James	Pana	Smith, Felix	Birkner
Rollo, John	Gillespie	Smith, James	LaSalle
Rollo, William	Pana	Smith, James J.	Riverton
Rookin, Thomas	Edwards Station	Smith, George A.	Sandoval
Ross, David	Oglesby	Smith, James L.	Mt. Olive
Rosbottom, James	Kingston Mines	Smith, James	East Peoria
Rowland, Charles, ex.	Belleville	Smith, John P.	Glen Carbon
Rozanski, Michael	Taylorville	Smith, James L.	Riverton
Rundle, John C.	Colchester	Smith, James P.	Collinsville
Rundle, William	Pekin	Smith, Henry W.	Springfield
Rutledge, Walton	Alton	Smith, Joseph	Bloomington
Rutledge, J. J.	Staunton	Smith, T. J.	Pana
Ryan, James (d)	Springfield	Smith, William	Athens
Ryan, Thomas	N. Springfield	Smith, William G.	Riverton
		Smith, W. H.	Hillsboro
		Smith, Thomas	Belleville
		Smith, W. J.	Girard
Sangrelet, Marshall	Mt. Olive	Sneddon, Richard	Virden
Sanders, John M.	Hanna City	Sneddon, Alexander	Peoria
Sandsom, Henry S., ex.	Streator	Sollenberger, Harry C.	Dunfermline
Sauer, Frederick	Belleville	Solomon, John	Springfield
Saurs, Cornelius	Peoria	Solomon, Peter H.	Springfield
Scaife, William	Coal City	Southworth, Andrew P.	Belleville
Schlettler, Bruno	Springfield	Spiller, George H.	Murphysboro
Schroll, Joseph	Bartonville	Spires, Alfred	Braceville
Schram, Richard	Belleville	Sprague, A. J.	St. David
Schreier, Gustav	Divernon	Springer, Albert R.	Glen Carbon
Scheldel, John	Bartonville	Staehle, August	Belleville
Schellschmidt, Erns.	East Peoria	Stanton, William E., ex.	Colchester
Schroyer, Edward	Dunfermline	Starks, William	Westville
Scott, George	Marissa	Starns, James	Hallidayboro
Scott, C. W., Sr.	Pocahontas	Steiner, Benjamin	Sato
Scully, William J.	Glen Carbon	Steel, Alexander	Streator
Scurah, Castling R.	Braceville	Steel, Daniel	Collinsville
Sebastian, Charles W.	Lenzburg	Steel, James	Spring Valley
Secor, Frederick D.	Odin	Steel, Neal	Centralla
Seddon, Thomas	Palsley	Stevens, Walter	Virden
Senloe, George	St. John	Stewart, D. G.	Seatonville
Sevan, Charles	Danville	Stirrat, James	Peoria
Shanahan, John C.	Gillespie	Stockett, Howard N.	Springfield
Shaw, James	Peoria	Stockett, Lewis	Collinsville
Sharp, Montgomery, ex.	Coal City	Stockett, Thos. R., Jr.	St. Louis, Mo.
Sholeen, R. A.	Galva	Stockman, W. H.	Duquoin
Sholl, Joseph	Bartonville	Stoneburner, L. L.	Moweaqua
Shurin, Peter	Auburn	Storrie, Archibald	Seatonville
Shields, Frank D.	Pana	Stratman, Henry, ex. (d)	Springfield
Schuler, Charles	Gilchrist	Straley, Peter	Canton
Sidall, John S.	Pana	Strebel, George	Edwardsville
Sidall, James S.	Streator	Strickland, John	Coal City
Siddell, J. W.	Springfield	Stricklin, W. H.	Harrisburg
Siddle, John	Edwardsville	Sutton, Thomas	Millstadt
Simkin, Samuel	Streator	Swan, Charles	Danville
Simmons, Thomas	Canton	Swansberg, John L.	Danville
Simpson, Isaac	Glen Carbon	Swarthout, J. P.	Peoria
Simpson, David	Spring Valley	Syson, Frank	Niantic
Simpson, David	Springfield		
Simpson, George A.	Springfield	Tallman, John, ex.	Kangley
Simpson, George C.	Springfield	Tattersall, George	Seneca
Simpson, William J.	Collinsville		
Simpson, Thomas	Collinsville		

Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
se, Edward (d)....	Hillsboro	Westwood, John.....	Streator
r, Charles.....	Edwards	Westwood, Thomas.....	Belleville
r, Daniel.....	Edwards	Wheatcraft, James.....	Elmwood
r, Henry.....	Belleville	Whennen, Charles.....	Oglesby
r, James.....	Edwards	Whitaker, John.....	Collinsville
r, Joseph.....	Springfield	Whitaker, William J....	Collinsville
r, Thomas H., ex.	O'Fallon	White, John.....	Pana
r, Thomas H., ex.	Springfield	White, John R.....	Belleville
y, Charles.....	Danville	White, James.....	Ottawa
y, James.....	Riverton	White, Michael.....	Virden
Alexander, ex.	Coal City	White, Owen.....	Seatonville
as, William J.....	Spring Valley.....	White, Louis.....	Spring Valley
as, H.....	Westville	Whitehead, Joseph.....	Farmington
as, J. G.....	Spring Valley.....	Whitehead, Edward.....	Farmington
as, John R.....	Ladd	Wigham, William G.....	Cartersville
as, T. J.....	Collinsville	Widd James.....	Murphysboro
as, Reese.....	Spaulding	Wiley, Robertson.....	St. David
as, David B.....	Murphysboro.....	Wilkinson, Frank.....	Westville
as, Richard.....	Ridge Prairie.....	Wilkinson, T. H.....	Diamond
a, Martin, ex.....	Bartonville	Williams, Daniel J.....	Springfield
son, John.....	DeSoto	Williams, James.....	Murphysboro
son, Robert C.....	Murphysboro.....	Williams, Thomas.....	Kinmundy
son, Mark.....	Sherrard	Williams, Jeff.....	Farmington
son, William.....	Mt. Olive	Williams, John.....	Riverton
ton, James.....	Duquoin	Williams, Louis.....	Belleville
nd, Joseph.....	Trenton	Williams, Robert H.....	Girard
h, David.....	Farmington	Williams, John W.....	Livingston
E. B.....	Kingston Mines	Williams, Walter.....	Duquoin
ning, Walter.....	Murphysboro.....	Williams, Thomas J.....	Cardiff
ley, Edwin, ex.....	Coal Valley	Williams, William H.....	Edinburg
n, William.....	Edwardsville	Williams, W. W.....	Hornshy
		Williams, David W.....	Herrin
i, Casper.....	Tilden	Williamson, William.....	Stanton
		Williamson, Jacob.....	Springfield
v, Charles.....	Kinmundy	Willson, Hiram E.....	Carbondale
bur, John, ex.....	Springfield	Wills, Samuel.....	Westville
veer, P. E.....	Taylorville	Wilson, John.....	Coal City
r, William.....	Pottstown	Wilson, David.....	Murphysboro
r, George.....	Pottstown	Wilson, David.....	Spring Valley
r, John, ex.....	Lincoln	Wilson, Hugh.....	Kinmundy
John.....	Springfield	Wilson, Alexander.....	Carbon Hill
		Wilson, Hiram.....	Carbondale
er, I.....	Mapleton	Wilson, H. C.....	Pekin
er, John K.....	Chenoa	Wilson, John B.....	Sparta
David E.....	Divernon	Wilson, John J.....	Wesley City
ce, David.....	Cartersville	Wilson, Robert.....	Roanoke
nd, Ed. S., ex.....	Bartonville	Wilson, William.....	Middle Grove
sley, George.....	East Peoria	Wilson, Thomas.....	Norris
hlag, Stephen.....	Peoria	Wilson, William.....	Sparta
h, Patrick.....	Springfield	Wilson, David.....	Lincoln
h, Peter P.....	Pleasant Plains	Wilson, W. R.....	Reed City
rs, William H.....	Staunton	Winneberg, W.....	Springfield
ss, John.....	Springfield	Winning, James.....	Cartersville
ss, William H.....	Riverton	Winning, Robert.....	Cartersville
ling, T. J.....	Peoria	Winterbottom, John.....	Murphysboro
ling, Thomas.....	Pottstown	Winters, Samuel P.....	Bartonville
rs, Thomas W.....	Ladd	Wittman, Daniel.....	New Baden
Wilson.....	Riverton	Walschlag, Stephen, ex.	Peoria
le, John.....	Marion	Wood, Henry.....	Streator
n, James M.....	Herrin	Wood, Henry.....	Troy
rs, Fred.....	Elmwood	Woods, William, ex.....	Morris
n, George R.....	Wyoming	Worthington, Willard.....	Duquoin
ns, W. J.....	Danville	Wright, Thomas C.....	Belleville
i, Thomas J.....	Elmwood	Wright, John.....	Belleville
i, William.....	Elmwood	Wright, J. W.....	Kingston Mines
r, Henry.....	Murphysboro	Wundelrick, John.....	Marliss
ter, Richard.....	Collinsville		
s, Thomas.....	Streator	Yates, John.....	Belleville
nborn, F. E.....	Mt. Olive	Young, Hiram.....	Girard
eborg, Otto.....	Springfield	Young, Hugh G.....	Braidwood
vater, David.....	Pekin		
wood, Albert.....	Belleville	Zink, Peter A.....	Belleville
wood, Thomas E.....	Marlissa	zink, Charles L.....	Belleville
		Zoller, Robert H.....	Braidwood

MINE MANAGERS HOLDING CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Adams, Charles T.	Rosboro	Howe, William	Streator
Alsopp, William H.	New Castle	Hoye, James	Braidwood
Andreas, August	Belleville	Hutton, James	Tallula
Angel, Hiram	Glenn	Hallenmeyer, Julius	Golden Eagle
Atkinson, Edward	Streator		
Asford, Thomas	Petersburg	Jenkins, Eugene	Bartonville
		Jerremere, William M.	Duquoin
		Jones, David	Marissa
Bailey, Robert	Sunfield		
Banyert, Henry (d)	Lincoln	Keller, George, Jr.	Bartonville
Bartlett, Thomas	Cuba	Kidd, Andrew	Wenona
Barwell, John	Cutler	Kidd, Neugene	Kidge Prairie
Bates, W. H.	Winchester	Kirley, Bernard	Kewanee
Betz, Charles O.	Duquoin	Klingenhagen, Henry	Belleville
Bolander, John	Pekin	Kramer, Anthony F.	Sato
Bracken, James A.	Greenview		
Brown, Jabez	Cutler	Laumbattus, Philip H.	Tamaroa
Brown, Thomas M.	Pinckneyville	Lenze, Charles	Belleville
Bunting, J. H.	Grape Creek	Lloyd, Hosea W.	Sheffield
Bushong, Andrew M.	Danville		
		Mason, Mark, Jr.	Sato
Caldwell, James	Elmwood	Maale, Robert	Belleville
Cape, Thomas	Fairview	Meehan, Patrick	Breeds
Cameron, Duncan S.	Sorento	Meehan, Peter	Williamsville
Chere, George	Pleasant Plains	Meredith, C. W.	Augusta
Christie, David	Murphysboro	Michaels, Lewis	Belleville
Cooper, Charles	Nilwood	Miller, Nicholas	Lebanon
Coilier, Frank J.	Bartonville	Miller, William	Lenzburg
Coster, George	Crape Creek	Milen, John	Norris
Crawson, Elihu	O'Fallon	Millett, Thomas	Collinsville
Cummings, William	Rushville	Moffatt, Thomas	Percy
Cusack, M.	Edwards	Monaghan, Edward	Carbon Hill
		Morin, Jeremiah	Danville
Dale, John	Fredonia	Morton, Robert	Virginia
Davenport, John	Harrisburg	Murphy, John	Braidwood
Davis, Caleb	Collinsville	McCleery, James	Kangley
Davison, Matthew	Duquoin	McDonald, Daniel	Menard
Deans, Henry	Percy	McDowell, James A.	Grape Creek
Donaly, James	Cartersville	McKernan, James	Collinsville
Duffner, J. W.	Belleville		
		Neal, William	Murphysboro
Enstminger, Emanuel E.	Crab Orchard	Nidholson, William	Cuba
Entwhistle, Robert	Colchester	Noyd, Lewis	Galva
Erwin, William	West Belleville		
		Oexner, Wendelin	West Belleville
Fagan, Patrick (d)	Decatur		
Fletcher, Adam	Ladd	Parkin, William	Sweetwater
Forsythe, Peter	Centralia	Patterson, J. O.	Assumption
Forsythe, Thomas	Centralia	Pearl, John	Braidwood
Fowler, Henry	Millersburg	Pfander, Fred	Peoria
Franklin, Bernard	Lincoln	Pickett, Robert	Canton
		Pool, Edgar E.	Murphysboro
Gilbert, Edward	Niantic	Price, David	Fairbury
Glenn, John	Peoria	Price, James L.	Danville
Gondler, William	Cuba	Pullen, Charles	Sorento
Golden, George	Springfield		
Grabber, Henry	Orchard Mines	Radford, William	Cuba
Grant, David	Pekin	Randle, Jesse	Rirkner
Gray, John (d)	Roanoke	Reynolds, William	East Peoria
Green, Robert	Springfield	Royster, Moses L.	Peoria
Greenwood, Robert	Manoia	Rusche, Christian (d)	East Peoria
Grieve, Peter	Collinsville	Ryan, James	Springfield
Griffith, William A.	Colona		
		Schmidt, Frank P.	Limestone
Haddick, Robert	Cable	Shaw, Nathan	Kramm
Haensel, Daniel	Lenzburg		
Harrison, Ernest	Streator		
Heinz, John L.	LaSalle		

Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Smith, David P.	Dawson	Thompson, John	DeSoto
Smith, Fella	Breese	Thornton, James	Duquoin
Solomon, Robert	Springfield		
Spencer, George	Duquoin	Waugh, George, Sr.	Peoria
Stanway, George	Blair	Westwood, Thomas	Belleville
Stark, Andrew	Galva	Wilkin, John B.	Petersburg
Stewart, David J.	Seatonville	Williams, John	Sato
Stuhlsatz, Michael	Kewanee	Williams, John T.	Coalville
Sutton, Thomas	Millstadt	Williams, Walter	Duquoin
Swan, Charles	Oakwood	Wilms, William (d)	Springfield
Swisher, James E.	St. David		
Telfer, Alexander W.	Morris		
Terrill, Thomas	Colchester		

MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY AT MINES
EMPLOYING NOT TO EXCEED TEN MEN.

Name.	Postoffice.	Name.	Postoffice.
Aby, J. J.	Laura	Bales, Joseph L.	Danville
Adams, J. M.	Denmark	Balmar, Jno. D.	Bartonville
Adams, Leonard	Cuba	Ball, Samuel	North Alton
Adkins, Elmer	Danville	Banney, H. E.	Abingdon
Aldridge, John	Danville	Barbary, Paul	Ava
Aldridge, William E.	Danville	Barber, William	Colchester
Aldrich, M. M.	Geneseo	Bargreen, Charles	Streator
Ahlgren, Emil	Kewanee	Barkley, Charley	Farmington
Alexander, Orle A.	Huntsville	Barnett, W. M.	Palzo
Allen, James T.	Pleasant View	Barter, Charles	Bryant
Allen, W. P.	Spillertown	Bass, Oscar J.	Wyoming
Allison, John	Loding	Bates, Geo. H.	Kewanee
Allison, William	So. Moline	Bates, Wm. T.	Rushville
Allison, Elmer	Danville	Bates, Watson	Kewanee
Anderson, Alexander	Sato	Bath, Isaac	Lewistown
Anderson, Lee A.	Streator	Bath, Abraham	St. David
Anderson, N. C.	Ottawa	Baugh, William	Henry
Anderson, Josh	Equality	Beatty, John T.	Mascoutah
Anderson, M. H.	Knoxville	Beatty, John T.	Mascoutah
Anna, Charles	Wataga	Becroft, Leonard	Atkinson
Argus, Leonard	Belleville	Bectler, John	Pekin
Arrandale, Jno. W.	Streator	Beddow, Benj.	Danville
Ascraft, J. W.	Mayton	Beers, M. A.	Cable
Aston, Emanuel	Danville	Reever, J. H.	Farmington
Atkinson, Amos	Colchester	Regum, Geo. E.	Ottawa
Atkinson, M.	Kewanee	Bell, James	Morris
Atkinson, Charles W.	Colchester	Bell, Charles	Pleasant View
Auglin, John	Shelbyville	Beltz, Lindolph	Carterville
Avery, Geo. W.	Industry	Beltz, George	Carterville
Axley, Edward	Roodhouse	Bennet, Fred	Chillicothe
Aylsworth, John	Frederick	Benson, William	Winchester
		Berry, John	Macomb
Backling, William	East Peoria	Beary, George E.	Peoria
Backofen, Jacob	Littleton	Berry, Charles	Monica
Badders, George	Carrier Mills	Berry, W. J.	Macomb
Bailey, Oliver	Carbondale	Berry, R. M.	Cottage Grove
Baird, W. C.	Carbondale	Berry, Wm.	Monica
Baird, Oswald	Carbondale	Beuer, Jacob W.	Castletown
Bailey, W. R.	Sparta	Beuer, Joseph	Castletown
Baker, L. C.	Oakwood	Bexton, Wm. G.	Colchester
Baker, William H.	Industry	Biggs, Isaac N.	Tallula
Baker, Lillian D.	Coal Valley	Biggs, Henry	Ledford
Baker, Joseph	Ottawa	Bird, Daniel	Roseville
Baker, F. W.	Fairbury	Birds, D.	Peoria
Baker, Wm. J.	St. David	Birds, John	Peoria
Balducche, Lorenzo	Cattin	Bixby, Wm. M.	Blair
Baldwin, John O.	Equality	Blackburn, Kelly	Johnson City
		Blagden, Richard	Leaman

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Blackey, Cuthbert.....	Wyoming.....	Chadwick, E.....	Oak Hill.....
Blessing, George.....	East Peoria.....	Charlinsworth, Amos C.....	Fosterburg.....
Blockley, Rufus.....	Equality.....	Charleson, Chas.....	Wyoming.....
Bloom, Charles.....	Catlin.....	Charnok, Wm.....	Victoria.....
Blotvagel, William.....	Worden.....	Chesney, Alonzo T.....	Ava.....
Blue, J. W.....	Grape Creek.....	Chilton, Richard.....	Kewanee.....
Blue, Ed.....	Grape Creek.....	Chipping, W.....	Canton.....
Bode, W. H. H.....	Chesterfield.....	Chorlton, James.....	French Village.....
Boden, Ed.....	Pre-emption.....	Christman, Charles W.....	Sparland.....
Boldwyn, T. W.....	Vergennes.....	Church, V. L.....	Ava.....
Boostrom, Ben B.....	Wataga.....	Clariday, Moody.....	Carterville.....
Bonnett, A. H.....	Pilot.....	Clark, John.....	Monmouth.....
Bowman, G. W.....	Yates City.....	Christy, H. S.....	Whitehall.....
Bowman, T. L.....	Industry.....	Clark, Samuel G.....	Duquoin.....
Boyer, A. P.....	Etherly.....	Clark, James A.....	Equality.....
Brackhouse, Fred.....	Chaplin.....	Clark, J. H.....	Frimfield.....
Braunaman, F. L.....	Danville.....	Clark, John.....	Glasford.....
Brandt, Jean.....	Georgetown.....	Clarkson, William H.....	Edwards.....
Brandt, Henry C.....	Petersburg.....	Clarkson, Lorenzo.....	Kickapoo.....
Brandt, William.....	Mineral.....	Clifford, Geo. L.....	Onelda.....
Brannon, James.....	Grape Creek.....	Cody, Richard.....	Peoria.....
Brennan, George.....	Caseyville.....	Coesispire, G.....	Galesburg.....
Brinley, Ross.....	Danville.....	Coke, Robert.....	Marion.....
Broderick, Andrew.....	Danville.....	Colburn, John B.....	Vanderbook.....
Brophy, M.....	Shelbyville.....	Collins, Thomas.....	Collins.....
Brown, Charles.....	Marion.....	Collins, A. Y.....	Greenfield.....
Brown, John.....	Ottawa.....	Collins, W. N.....	Ava.....
Brown, William S.....	Muncie.....	Colwell, Robert.....	Frimfield.....
Brown, S. C.....	Lewistown.....	Colwell, H.....	Duncan.....
Brooker, Fred.....	Lowell.....	Colwell, George.....	Wyoming.....
Bryan, John.....	Grape Creek.....	Covett, Lewis M.....	Oakwood.....
Bryant, S. C.....	Grape Creek.....	Cook, Charles.....	Grape Creek.....
Bryner, Leonidos.....	Roseville.....	Cook, James K.....	Etherly.....
Buchanan, B. M.....	Streator.....	Cook, W. H.....	Alexis.....
Bullock, Joseph.....	Collinsville.....	Cook, Louis B.....	Etherly.....
Bullock, Henry.....	Collinsville.....	Cook, Wm.....	Peoria.....
Bullock, Robert.....	Duquoin.....	Coons, Harvey.....	Fairview.....
Bunt, Joseph.....	Colchester.....	Coons, Chas. J.....	Fairview.....
Bunting, C. J.....	Danville.....	Cooper, Albert W.....	Petersburg.....
Burdick, Frank.....	Industry.....	Cowens, W. P.....	Pinkneyville.....
Burk, W. W.....	Conant.....	Combs, J. W.....	Kewanee.....
Burney, Ralph.....	Colchester.....	Compton, Archie.....	Sparland.....
Butter, William.....	Stonefort.....	Covert, Stephen D.....	Danville.....
Byrnes, John.....	Brighton.....	Coulson, Foster.....	Wyoming.....
		Cotton, William.....	Peoria.....
		Crain, Willie.....	Ava.....
Cadle, John.....	Danville.....	Crawford, W. F.....	Collison.....
Cagle, William.....	Frederick.....	Cressey, George.....	Colchester.....
Cagle, John.....	Littleton.....	Cryer, John H.....	Morris.....
Cagdall, A. C.....	Stonefort.....	Crew, Joseph.....	Chillicothe.....
Cairns, James.....	Brighton.....	Crow, S. F.....	Stonefort.....
Caldwell, Thomas.....	Avon.....	Crow, Wm.....	Ava.....
Caney, Robt. P.....	Lombardville.....	Croxton, Fred W.....	Pleasant View.....
Campbell, Ed.....	White Hall.....	Croxton, Walter.....	Pleasant View.....
Campbell, Andrew.....	Roseville.....	Crozica, M.....	Etherly.....
Campbell, Francis A.....	Viola.....	Crowse, James W.....	Union.....
Campbell, W. R.....	Vergennes.....	Cunningham, Lewis.....	Danville.....
Cameron, Henry.....	Viola.....	Cunningham, R. A.....	Cutler.....
Carlson, Alfred.....	Sunny Hill.....	Cummings, Wm. M.....	Rushville.....
Carlson, Andrew F.....	Kewanee.....	Curtiss, Sanford.....	Rockbridge.....
Carroll, C. E.....	Duncan.....	Cutler, F. H.....	Princeville.....
Carroll, Thos. J.....	Bunker Hill.....		
Carrell, A. J.....	Duquoin.....		
Carter, Elmer.....	Camden.....	Dabbles, Joseph.....	Danville.....
Carter, Joe.....	Kewanee.....	Dainty, Jabez.....	St. David.....
Carter, F. R.....	Danville.....	Dalrymple, Wm. C.....	Neponset.....
Carter, Wm. R.....	Danville.....	Dalton, Isam.....	Yates City.....
Carson, Charles H.....	Flatt.....	Daniel, Jay.....	Danville.....
Carrison, George.....	Colchester.....	Darrah, J. N.....	Rlandinville.....
Casteter, John.....	Streator.....	Daugherty, Robert T.....	Table Grove.....
Casteter, William.....	Streator.....	Davis, Charles.....	Abingdon.....
Catt, A. G.....	Newton.....	Davis, Benjamin.....	Streator.....
Catton, John.....	West Jersey.....	Davis, T.....	Fayette.....
Catton, C. F.....	West Jersey.....	Davis, Chas. R.....	Salisbury.....

Name.	Postoffice.	Name.	Postoffice.
I. Thomas	Griffin	Evans, Ed. L.	Streator
I. Bert	Colchester	Evans, Lewis	Kangley
Augustus	Yates City	Evans, W. L.	Cottage Grove
J. C.	Deer Park Glen.	Eynman, Albert	Lewistown
Abraham L.	Middletown		
Camille	Orchard Mines	Fairley, R. J.	Cambridge
Thomas	Avon	Fairley, John	Cambridge
G. F.	Equality	Farrell, Hugh	Monica
J. I.	Equality	Faust, Jacob	Pineckneville
Albert	Canton	Fellows, C. P.	Schulline
Ernest	Victoria	Fenwick, Geo. A.	Danville
David C.	Wyoming	Filker, George	Farmington
Fred	Petersburg	Fink, Frank	Truro
n. Joseph	Norris	Fish, William	Appleton
Wm. W.	Colchester	Fisher, W.	Murrayville
Phillip	Freeburg	Fisher, N. J.	East Peoria
artin	New Burnside	Fisher, Alcide	Brighton
arvey	Glasford	Flemming, Thos.	Morris
A.	Princeville	Flynn, William	Briar Bluff
E.	Kewanee	Foley, William H.	Mapleton
Jas. R.	Pre-emption	Forester, W. M.	Equality
I.	Lafayette	Foster, Geo. W.	Colchester
Wm. F.	East Peoria	Poster, Thurman	Carbondale
Peter	Wataga	Fox, Thomas	Lewistown
Louis	Green River	France, Wesley	Fairmount
Charles W.	Kedson	France, Michael	Fairmount
B.	Truro	Francis, Wm. G.	Streator
y. P.	Pre-emption	Francis, C. W.	Catin
Allen B.	Campbell Hill	Frazell, C. A.	Farmington
Chas.	Danville	Fredrickson, Andrew	Danville
Edward	St. David	French, Strawther	Bradford
Stephen A.	Canton	French, Alonzo	Yates City
A. L.	Vandercook	Frisby, E. O.	Sparland
Andrew	Danville	Frisby, W. E.	Sparland
Z. F.	Knoxville	Frost, Michael	Danville
Bert G.	Keewanee	Fry, John	Ray
B.	Tennessee	Fuller, James K.	Modena
John	Sheffield	Fustin, William	Marion
arvey	Osceola		
John	Canton	Gaddis, Ed.	Hudgens
H.	Brimfield	Gahn, Henry	Marion
Simon	Canton	Galney, Wm. F.	Carbon Cliff
I. Charles	Absher	Gallagher, W. F.	Mode
		Galloway, John	Glasford
gust.	Belleville	Gallraith, Zacharias	Morris
runk	North Alton	Galney, Thomas	Carbon Cliff
James	Ottawa	Garland, Samuel	Kewanee
C. W.	Galva	Gary, George	Ray
Thomas	Streator	Gelsler, Henry	Brighton
Robert	Ava	Gedelman, E. F.	Freeburg
T. J.	Crab Orchard	Gensol, Joseph	Lewistown
Geo.	Huntsville	Gebelhausen, Gus E.	Peoria
David L.	Coal Valley	Gergens, Martin	Pineckneville
A. G.	New Burnside	Gerlach, Geo. F.	Sparta
John	Danville	Gilbride, Frank	Morris
A. B.	Kewanee	Gilderoy, W. W.	Monmouth
eo. L.	Knoxville	Giles, R. W.	Danville
James	Caseyville	Gillette, Charles	Elmira
Martin O.	Fairview	Gills, Neal M.	Winchester
Volvin	Fairview	Gills, Fred F.	Danville
ss M.	Danville	Gilligan, Jackson	Industry
g, Geo. H.	Ellisville	Glenn, John	Briar Bluff
Alonzo	Farmington	Goble, Frank M.	Industry
ames	Peoria	Golden, James	Kewanee
er, E. E.	Crab Orchard	Golden, Richard	Kewanee
e. W.	Colchester	Goode, Joseph	Lombardville
Anton	Relleveville	Goss, Samuel	Norris
John	Danville	Gondy, W. S.	Brimfield
August	Galva	Grant, August	Kewanee
runk	St. Johns	Greear, William	Coal Valley
I. T.	Morris	Green, Samuel J.	Colchester
W.	Superiorville	Green, Henry	Canton
V. T.	Cuba		

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Green, Clarence.....	Sparland	Hilliard, E.....	Colchester
Green, Milton.....	Keithsburg	Hillier, Walter T.....	Carbondale
Grice, Albert.....	Kewanee	Hillier, Jesse.....	Rapatee
Griffiths, Edward.....	Roodhouse	Hind, Robert.....	Salisbury
Griffiths, Thomas W.....	White Hall.....	Hinderer, Frank.....	Frederick
Griffiths, D.....	Caseyville	Hoar, William.....	Colchester
Griffiths, James.....	Grape Creek.....	Hobby, Wm. H.....	Colchester
Griffiths, Joseph F.....	Moline	Hodge, S. M.....	Danville
Griggs, Allison.....	Brimfield	Hodge, John W.....	Itushville
Grim, David, Jr.....	Victoria	Hodge, Benjamin A.....	Danville
Grossman, Louis.....	Smithton	Hodgett, Absalom.....	Kewanee
Grosweiler, Joseph, Jr.....	Pekin	Hodgson, Wm.....	Colchester
Groth, John.....	Carbon Cliff.....	Hodson, James.....	Danville
Groy, Max.....	Kewanee	Hoenback, Wm. E.....	Rapatee
Guckert, P. P.....	Hampton	Hogercamp, Walter.....	Pontiac
Gunnnett, A. J.....	Fairview	Hohimer, Harry.....	Petersburg
Gurten, Louis.....	Pinckneyville	Holley, Wm. G.....	Wyoming
Gustafson, Edward.....	Wanlock	Holman, W. A.....	Vandercook
Guy, Thomas.....	Colchester	Homer, R. H.....	Lebanon
		Horrocks, Benj.....	Henry
Hagey, Wm. H.....	Lewistown	Hosby, Joseph.....	Danville
Haiding, James A.....	Wyoming	Houseman, Fred.....	Fosterburg
Hall, John.....	Colchester	Howard, Daniel.....	Georgetown
Hall, John.....	Grape Creek.....	Howard, Charles.....	Modena
Hall, Charles.....	Dunfermline	Howe, Wm.....	Streator
Hall, Geo. W.....	Newton	Huber, W. H.....	Lewistown
Hamilton, John W.....	Frederick	Hughes, John.....	Petersburg
Hamilton, John.....	Cuba	Hudson, Samuel.....	White Hall.....
Hamilton, Gail G.....	Frederick	Humes, Michael.....	Colchester
Hammon, John, Jr.....	Millstadt	Hummel, John A.....	St. Johns.....
Hammett, Otho J.....	Chillicothe	Hunter, Horace L.....	Briar Bluffs.....
Handly, John L.....	Coal Valley	Hurst, John.....	Belleville
Hamann, Wm.....	Okawville	Hurst, Lot.....	Bartonville
Harbaugh, Geo. W.....	Chesterfield		
Harnisch, Ernest.....	Brighton	Isackson, Martin.....	Wataga
Harpole, Geo.....	Golden Eagle.....	Isaacson, P. O.....	Wataga
Harrington, Frank.....	Farmington	Ingram, Robert H.....	Sparland
Harrington, D.....	Danville	Ingram, J. S.....	Harrisburg
Harris, A. J.....	Tilton	Irwin, James.....	Green River.....
Harris, David.....	Hanna City.....	Irwin, Fred.....	Smithton
Harris, Oliver.....	Canton	Ivans, W. A.....	Cottage Grove..
Harris, James S.....	DuBois		
Harris, Hardy.....	Catlin	Jacobs, John.....	Wataga
Harrman, John.....	Peoria	Jacobs, Claude.....	Danville
Harvey, John.....	Murphysboro	Jacquot, Augustare	Danville
Haskins, Alfred.....	Grape Creek.....	Jack, John.....	Marion
Hatfield, Charles.....	Danville	Jameson, E. J.....	Loding
Hauck, Henry L.....	Fosterburg	Jameson, Guy.....	Loding
Havens, Bert.....	Truro	Jarrell, Miles.....	Cottage Grove..
Hayes, C. G.....	Kewanee	Jayne, Richard.....	Cuba
Heathcock, George.....	Princeton	Jenkins, D. A.....	Danville
Heather, James.....	Morris	Jenner, A. T.....	Pinckneyville
Helntz, A. F.....	Kickapoo	Johnson, Arthur.....	Belleville
Heltzman, Jacob.....	Bartonville	Johnson, C. E.....	Canton
Hendee, Isaac.....	Bernadotte	Johnson, Gus.....	Kewanee
Henry, Samuel.....	Danville	Johnson, Cornelius F.....	Middletown
Henson, John E.....	Denmark	Johnson, Ashford.....	Hanna City.....
Hennemann, Charles.....	Belleville	Johnson, J.....	Farmington
Herman, John.....	Oraville	Johnson, Benjamin.....	Smithboro
Herman, John.....	Kewanee	Johnson, J. E.....	Dunfermline
Heckstrom, E.....	Victoria	Johnston, James H.....	Wyoming
Herrington, Thomas.....	Princeton	Jones, W. L.....	Bradford
Herseman, Herman.....	East Peoria.....	Jones, C. S.....	Sato
Hewitt, William B.....	Chenoa	Jones, W. W.....	Bradford
Hews, W. B.....	Canton	Jones, A. J.....	Peoria
Hibberd, Lewis W.....	Peoria	Jones, William.....	Colchester
Hickson, David.....	Ottawa	Jones, A. H.....	Colchester
Hicks, Wm. E.....	Crab Orchard.....	Jones, James A.....	Winchester
Hickman, Willis.....	Frederick	Jones, James H.....	Streator
Higbee, Lawrence.....	Princeville	Jones, John L.....	Peoria
High, Charles.....	Danville	Jones, Jackson.....	Winchester
Hissong, Charles.....	Tilden	Jones, W. H.....	Catlin
Hibbard, George A.....	Limestone		

Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Wm. J.	Kewanee	Lingast, L.	Grape Creek.
Evan A.	Catlin	Lingenfelter, J. R.	Canton
Arthur.	Viola	Link, Alex. E.	Sunny Hill.
Thomas.	Peoria	Little, George.	Roseville
Andrew.	Winchester	Little, John T.	Roodhouse
William.	Mapleton	Little, J. H.	Roodhouse
Conrad.	Peoria	Littlefield, Joseph.	Brimfield
Will.	St. David.	Lively, James.	Freeburg
John L.	Trivoli	Llewellyn, Edw.	Danville
E. S.	Newton	Lloyd, Elisha.	Danville
George.	Grayville	Lloyd, Benj. F.	Danville
Wm. L.	Smithton	Lloyd, D. E.	Danville
Herman.	Moro	Long, C. E.	Danville
Laugh, J. A.	Colchester	Lockane, David L.	Lewistown
James.	Atkinson	Lodging, E.	Loding
William H.	Morris	Loper, J. B.	Chesterfield
Bert.	Atkinson	Lord, James.	Galva
Robert.	Briar Bluff.	Lowry, Samuel.	Lewistown
William G.	Atkinson	Loy, D. O.	Atkinson
Thomas.	Grape Creek	Lucking, Edward J.	Fosterburg
George G.	Spartland	Lucking, Lewis.	Brighton
John.	Shelbyville	Lucking, Chas. H.	Brighton
W. L.	Stonefort	Lunceford, John H.	Bunker Hill
A. G. James.	Friendsville	Lyle, Charles W.	Brighton
Ing, James.	Sheffield	Lyons, Maxwell.	Coal Valley
n, Henry.	Kewanee	Mable, William.	Fairview
William.	Rushville	Magnusson, Elof.	Danville
W, J. W.	Briar Bluff.	Mahler, G. W.	Ray
J.	Roseville	Malone, Harry.	Duquoin
rn, Wm. C.	Shawneetown	Mallergren, James W.	Petersburg
Ambrose L.	Victoria	Manies, William.	Golden Eagle
e, Wm. T.	New Burnside.	Mansill, Richard.	Rock Island
Joseph.	Pekin	Market, Albert.	Roodhouse
Henry R.	Campbell Hill.	Martin, William, Sr.	Colchester
Isiah.	Wyoming	Martin, G. W.	Laoc
on, Paris.	Equality	Martin, J. B.	Laoc
Oscar.	Equality	Martin, J. W.	Farmington
g, William.	Colchester	Martin, Fred.	Peoria
nfus, Emil.	Belleville	Martin, John H.	Canton
an, John.	Ipava	Martin, Patrick.	Peoria
erhocker, Edwin.	Fairview	Martin, William, Jr.	Colchester
idge John.	Vermont	Martin, David A.	Canton
John.	Roodhouse	Martin, Geo.	Kewanee
an, Fred.	Rapid City	Marriage, Joseph.	Grape Creek.
mp, A.	North Alton	Marxer, Joseph.	Milstadt
David.	Monica	Marley, Richard.	Atkinson
Edwin.	Kewanee	Marley, Robert.	Atkinson
rt, Austin H.	Keonsburg	Marshall, G. A.	Cuba
James.	Peoria	Marshall, J. C.	Caseyville
Richard.	Colchester	Mason, Frank A.	Carbondale
Jacob.	Belleville	Massey, Jesse.	Streator
n, Nick.	Pinckneyville	Mathew, T. J.	Stonefort
en, John.	Old Berlin	Matsinger, Theodore.	Crab Orchard.
d, John.	Grape Creek	Mauck, Joseph.	Danville
orfer, C. W.	Pre-emption	Mauck, L. F.	Danville
Thomas.	Youngstown	Maywood, Henry.	Gilchrist
James.	Alexis	May, James.	Lewistown
Charles W.	Cable	Medearis, Jas.	Henry
dist, O. W.	Equality	Melker, B. F.	Danville
Charles W.	Galesburg	Melvin, Leo.	Kewanee
cn, O. G.	Danville	Melvin, R.	Kewanee
Charles E.	Cambridge	Mellegram, John.	Petersburg
Thomas.	Cartersville	Meller, Louis.	Brighton
ance, B.	Youngstown	Memmer, L.	Canton
n, Alfred.	Cable	Mercy, Geo.	St. David.
n, E.	Kewanee	Mercer, L. W.	St. John.
Charles.	Danville	Merrrow, G. W.	Crab Orchard.
n, P.	Canton	Merrill, R. M.	Campbell Hill.
August.	Danville	Mescher, W. T.	Lafayette
eck, P.	Wataga	Mertz, Wm. M.	Ottawa
		Mills, Henry.	New Douglas.
		Miller, William.	Caseyville

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Miller, George A.	Danville	Nelson, James	Knoxville
Miller, Silas	Grape Creek	Nee, John J.	Colchester
Miller, Eliza	Grape Creek	Nelson, Louis	Streator
Miller, Smith	Mapleton	Nelson, Nels	Ottawa
Miller, L. S.	Grape Creek	Nelson, John S.	Morris
Miller, George A.	Danville	Nelson, Chris	Chandlerville
Miller, C. G.	Youngstown	Nenneker, Andy	Bushnell
Miller, Wm. J.	Cable	Nenneker, Fred	Bushnell
Mitchell, Robert T.	Prairietown	Neville, Wm.	Catlin
Mitchell, Robert J.	Shawneetown	Newell, J.	Sparland
Mobaker, John	Danville	Newton, F. B.	Modena
Molloy, John	North Alton	Newton, Geo. H.	Toulon
Monroe, Archie	Carriers Mills	Newton, B. F.	Bradford
Montgomery, John	De Soto	Nibbelin, John	Elwood
Montooth, Chas.	Bradford	Nighswonger, Asa	Sparland
Moorman, Mark	Illinois City	Nodeon, E. W.	Wataga
Morrison, Alva	Modena	Noreln, A. G.	Sheffield
Moore, John K.	Orien	Norris, Floyd	Duquoin
Moore, Nanly	Saline Mines	Nozley, Alfred	Golden
Moore, W. F.	Victoria	Nyde, John E.	Galva
Moore, Sim J.	Cottage Grove		
Moran, Michael F.	Sheffield	O'Brian, William	Cuba
Morrison, D. D.	Danville	O'Brian, James	Georgetown
Morris, Mordica	Faith	O'Daniel, Arthur	Danville
Morris, Geo. J.	Millersburg	Oldham, Samuel	Colchester
Morgan, Charles	Oneida	Oldham, Ralph	Colchester
Mordue, Geo.	Colchester	Odum, D. B.	Carriers Mills
Mosher, Charles	Etherly	Owens, Orby G.	Stonefort
Moss, Oliver	Vergennes		
Morton, T. J.	Danville	Pahlman, H.	Pluffs
Mowbray, Jno.	Atkinson	Parker, William	Milan
Muir, George	Victoria	Parker, W. G.	Winchester
Munts, William	Streator	Parle, Sylvester	Danville
Mulvany, Chris	Farmington	Parle, James	Danville
Murphy, Fred	Belleville	Parr, Sam	Fairview
Murphy, Led	Monmouth	Parr, Joseph	Princeville
Murphy, Hiram	Macomb	Parthan, M.	Sato
Murphy, J. J.	Fairview	Patton, Wm. A.	Kramm
Murphy, Chas. H.	Canton	Paul, John	Sheffield
Murcheson, Kenneth	Kewanee	Payne, Charles C.	St. John
Murray, Samuel	Monmouth	Pearson, William M.	Astoria
Mustard, Elijah	Canton	Pearson, John	Colchester
Muzzy, William H.	Peoria	Peck, E. E.	Canton
Myers, W. H.	Carbondale	Pendergast, John	Soperville
Myers, Geo.	Ottawa	Penman, James	Streator
Myers, Perry	Bethalto	Penman, William	Pre-emption
Myers, Chas. A.	LaHarpe	Penn, George	Belleville
McAnnally, Jno.	North Alton	Penn, Henry	Brimfield
McBride, W. T.	Fairview	Perkins, John E.	Osceola
McBroom, Charles	Canton	Perkins, J. B.	Ray
McCartney, C. T.	Alexis	Perdue, Joseph	Hudgens
McDaniel, Chas. C.	Wyoming	Perry, D. E.	Colchester
McClure, Marion	Colchester	Peters, Benard	Swansea
McCullough, Jas.	Ottawa	Peters, M.	Streator
McDaniels, Theodore T.	Wyoming	Peterson, August	Soperville
McDonald, Samuel	Moro	Peterson, Nicholas	Osceola Twp.
McElwee, Charles P.	Winchester	Petrie, George	Pekin
McGovern, T. B.	Oneida	Phillips, Sebirt	Carbondale
McGovern, S.	Oneida	Preston, Bryan B.	Cable
McGuire, John	Aley	Presswood, C.	Pinckneyville
McGuire, Patrick	Winchester	Price, Benjamin	Kewanee
McIntire, Geo.	Industry	Pichon, Joseph	Danville
McKathen, Samuel E.	Alexis	Pickett, George	Danville
McKane, E.	Galva	Pistor, William	Wilstadt
McKeen, William H.	Danville	Polonius, George	Colchester
McKinney, Charles	Cottage Grove	Pollit, James H.	Canton
McLain, William H.	Equality	Poole, Plummer	Tamerville
McLanzhila, Joseph	E. F. D. No. 5	Poore, William	Kickapoo
McMichael, T. M.	New Burnside	Posten, M. W.	Elrar Bluff
McMian, William J.	Streator	Porter, William H.	Macomb
McNaught, Henry	Williamsfield		
McNell, William	Griffin		

Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Thomas.....	Carterville	Bohr, Joseph C.....	Alexis
James.....	Lewistown	Roland, Adolph.....	Grape Creek
James.....	Mapleton	Romine, Wilson.....	Youngstown
William.....	New Burnside	Romine, William.....	Roseville
J. A.....	Danville	Ronk, G. H.....	Canton
Wm.....	Carbondale	Rook, John.....	Brimfield
Wm.....	Wyoming	Roosa, V. L.....	Pleasant View
Wm.....	Macomb	Rose, James.....	Equality
Wm.....	Elmwood	Royse, Sylvester.....	South Danville
Wm.....	Ava	Ryan, Phillip.....	Ashland
Wm.....	Danville	Russell, John R.....	Danville
Wm.....	Dunfermline		
Wm.....	Kewanee	Sackville, James.....	Cool Valley
Wm.....		Sample, John.....	Laura
Wm.....		Saunders, W. G.....	Monica
Wm.....		Saunders, David T.....	Peoria
Wm.....		Saupe, John J.....	Peoria
Wm.....		Savill, Charles A.....	Canton
Wm.....		Savill, Jesse.....	Modena
Wm.....		Scanlon, M. C.....	Canton
Wm.....		Schaffer, William.....	Danville
Wm.....		Schmidt, August.....	Millstadt
Wm.....		Schmidt, George.....	Millstadt
Wm.....		Schmidgall, Jno. L.....	Murphysboro
Wm.....		Schneider, Joseph G.....	Pinckneyville
Wm.....		Scholtz, William.....	Kickapoo
Wm.....		Schroeder, Fred C.....	Coal Valley
Wm.....		Schultz, Fred.....	Braceville
Wm.....		Schuster, John E.....	East Peoria
Wm.....		Scott, John.....	Modena
Wm.....		Scott, James.....	Wyoming
Wm.....		Scott, Frank.....	Danville
Wm.....		Selbrick, J.....	Monmouth
Wm.....		Sebek, John.....	Braidwood
Wm.....		Sellers, George.....	Winchester
Wm.....		Seffer, Henry.....	Peoria
Wm.....		Sergeant, Frank.....	Belleville
Wm.....		Schaffer, Michael.....	Ava
Wm.....		Shafer, Solomon.....	Summun
Wm.....		Shea, John G.....	Danville
Wm.....		Sherbine, Abe.....	Macomb
Wm.....		Sherrett, James.....	E. Peoria
Wm.....		Shreffler, R. D.....	Pekin
Wm.....		Shelton, W. J.....	Cottage Grove
Wm.....		Shepherd, Wm. A.....	Catlin
Wm.....		Shore, William.....	Chanderville
Wm.....		Silvis, S.....	Carbon Cliff
Wm.....		Simmons, Alfred B.....	Roodhouse
Wm.....		Simons, William H.....	Monica
Wm.....		Sincos, John.....	Alexis
Wm.....		Simpson, Charles.....	Wataga
Wm.....		Simpson, Newton M.....	Ray
Wm.....		Simpson, Joseph.....	Youngstown
Wm.....		Sitting, H. P.....	Onida
Wm.....		Sliment, James.....	Stonefort
Wm.....		Sloan, Miles B.....	Center Station
Wm.....		Smith, John.....	Etherly
Wm.....		Smith, A. J.....	Atkinson
Wm.....		Smith, Geo. W.....	Saline Mines
Wm.....		Smith, James.....	Colchester
Wm.....		Smith, B. F.....	Princeton
Wm.....		Smith, John.....	Modena
Wm.....		Smith, Arthur.....	Frederick
Wm.....		Smith, Thomas B.....	Vermont
Wm.....		Smith, Thomas.....	Streator
Wm.....		Smith, Charles.....	Ottawa
Wm.....		Smith, John.....	Sparland
Wm.....		Smith, Leonard.....	Danville
Wm.....		Sornberger, John.....	Atkinson
Wm.....		Sowerly, Joseph.....	Victoria
Wm.....		Spangler, H.....	Streator
Wm.....		Spangler, Charles.....	Danville
Wm.....			Danville

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Sparks, Charles.....	Crab Orchard...	Thomas, William.....	Streator
Sparks, Edgar.....	Astoria	Thomas, James.....	Danville
Spencer, Charles.....	Victoria	Thomas, George.....	Sheffield
Spiller, Henry.....	Herrin	Thomas, Samuel.....	Catlin
Spitzner, Jacob.....	Equality	Thurston, John H.....	Wyoming
Sponsler, Elmer.....	Carbondale	Tilley, Wm.....	Duquoin
Springman, Ed.....	Brighton	Tingley, Perry J.....	Vermont
Stader, W. H.....	Equality	Todd, Ralph.....	Kewanee
Starrick, A. J.....	Marion	Todd, Geo. B.....	Catlin
St. Clair, James A.....	Macomb	Todd, John.....	Victoria
Steavens, Isaac.....	Cuba	Toney, A.....	Grape Creek.....
Staton, Joseph.....	Pekin	Tompkins, C. S.....	Mineral
Sterling, B. H.....	New Athens.....	Tompkins, Harvey.....	St. David
Stevens, John.....	Cuba	Townier, L. H.....	Bluff City.....
Stewart, Wm.....	Colchester	Tracy, Edwin F.....	Beardstown
Steiner, Daniel F.....	Atkinson	Treasurer, William.....	Essex
Stine, William.....	Danville	Tucker, Charles.....	Mineral
Stocker, Jacob F.....	Arenzville	Tucker, Edward.....	East Peoria.....
Stoehr, Edward.....	Carbon Hill.....	Tucker, P. F.....	Whitehall
Stone, Isaac.....	Colchester	Tulk, M. B.....	Colchester
Stone, William.....	Colchester	Tully, P. F.....	Brimfield
Stone, Charles.....	Colchester	Turner, John.....	Lewistown
Stone, Thomas.....	Carbon Cliff.....	Turner, George.....	Lewistown
Stoneking, A. L.....	Fandon	Twiney, William A.....	Shelbyville
Stokey, Elijah.....	Colchester	Tygett, John.....	Carbondale
Storey, Harry.....	Toulon	Tyla, H.....	Wataga
Stout, M. J.....	Fairview	Tyler, Church.....	St. David
Straley, J. E.....	Canton	Tyson, Thomas.....	Marion
Straley, James H.....	Norris		
Straud, Charles.....	Roseville		
Stretch, William.....	Shelbyville	Underwood, J. H.....	Equality
Strehlinger, Conrad.....	French Village.....		
Stricklin, Thomas A.....	Marion		
Stonon, O. F.....	Rushville	Vandyke, William.....	Canton
Strong, Ralph.....	Pleasant View.....	Van Norman, Samuel P.....	Mapleton
Strong, William.....	Junction	Varner, Wilson.....	Marietta
Strong, J. P.....	Shawneetown	Vaughn, Elijah.....	Jubilee
Stufflebeam, Marion.....	St. David	Vaughn, William.....	Jubilee
Stroud, William.....	Marion	Vaught, John H.....	Shawneetown
Suggett, William.....	Breeds	Veazal, George.....	Ottawa
Summerson, John.....	Coal Valley	Vice, Henry.....	Fairview
Summerson, Robt.....	Coal Valley	Vickery, Henry.....	Pottstown
Snydam, John.....	Victoria	Vogt, Leon.....	Shawneetown
Swanson, Axel.....	Cable		
Swanson, Otto.....	Cable	Wages, E.....	Canton
Swanson, Andrew.....	Colchester	Wagner, Louis M.....	Bellefonte
Swenson, John.....	Danville	Wagner, John W.....	Millstadt
Syddall, Peter.....	North Alton	Walne, James.....	Atkinson
Swafford, William.....	Duquoin	Wainwright, Arthur.....	Sweetwater
Swan, Chas. W.....	Marion	Wahlburg, Albert.....	Knoxville
Switzer, James.....	Astoria	Walck, Peter S.....	Farmington
Switscher, Trumont.....	Danville	Walker, James.....	Mapleton
		Wallis, D. J.....	New Burnside.....
		Walsh, John.....	Truro
		Walsh, John.....	Milan
		Walton, A. W.....	Princeton
		Ward, J. D.....	Pulley's Mill.....
		Watkins, W. J.....	Danville
		Watts, Alexander.....	Paris
		Watson, William.....	Wyoming
		Watson, James.....	Cartersville
		Wayland, James.....	Colchester
		Weimer, J. R.....	Cambridge
		Wearmouth, Thomas.....	Youngstown
		Webster, T. J.....	Danville
		Webster, William.....	Colchester
		Webster, A. J.....	Danville
		Wellman, John N.....	Paris
		Weiss, W.....	Bellefonte
		Wells, E. W.....	Briar Bluff.....
		Welford, T. H.....	Absher
		West, John C.....	Pine Grove.....
		West, John A.....	Pine Grove.....
		Westerby, George.....	Farmington
Tarpley, W. S.....	Marion		
Tanner, Anderson.....	Absher		
Tattersoll, George.....	Seneca		
Taylor, James.....	Bellefonte		
Taylor, Robert.....	Princeville		
Taylor, Francis.....	Brandenburg.....		
Taylor, Jno. S.....	Neponset		
Taylor, J. W.....	New Burnside.....		
Teague, James.....	Winchester		
Teel, James.....	Industry		
Telfer, John K.....	Morris		
Telfer, John W.....	Morris		
Tesdale, Henry.....	Morris		
Thomas, Lewis E.....	Danville		
Thompson, Jacob.....	Grape Creek		
Thompson, James F.....	Itay		
Thompson, D. L.....	Marion		
Thompson, Joseph.....	Etherly		
Thompson, Joe.....	Grape Creek		
Thom, Benjamin.....	Etherly		

ie Managers (Ten Men), Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
erlund, John.....	Streator	Wilson, George.....	Marion
len, M. Jr.....	Colchester	Wilson, Arthur.....	Cartersville
elhouse, Samuel D..	Rushville	Willstead, Thomas.....	Rio
taker, Aaron.....	Roodhouse	Winchouse, W.....	Danville
e, Charles F.....	Danville	Wings, James.....	La Harpe
e, Charles.....	Wyoming	Wirming, Robert.....	Sato
e, M. C.....	Pawnee	Wisley, H. C.....	Vergennes
e, Henry.....	Elmwood	Wiseman, Ernst.....	Peoria
e, William J.....	Rartonville	Witt, John D.....	Paris
e, John A.....	Frederick	Wolf, Jacob.....	Danville
es, Fred.....	Canton	Wonderling, Henry.....	Danville
nn, William E.....	Coal Valley	Wood, Benjamin.....	Pinckneyville
inson, M. C.....	Danville	Woodcock, William H.....	Etherly
ox, Wilson.....	Astoria	Wood, Samuel.....	Saline Mines.....
ins, Jefferson.....	Hedron	Woodbury, John.....	Green River
y, Hiram.....	S. Danville	Woodcock, Edward.....	Dunfermline
ams, Joseph.....	Mode	Woods, James.....	St. David.....
ams, Andrew.....	N. Alton	Woodard, John.....	Oakwood
ams, James F.....	Kewanee	WVWoodward, W.....	Soperville
ams, Jerome.....	Tiskilwa	Woodward, Frederic.....	Fairmount
ams, Joseph.....	Pre-emption	Wonders, Henry.....	Streator
ams, W. J.....	Colchester	Worthington, H.....	Streator
ams, W. P.....	Laoc	Wren, T. K.....	Morris
ams, Oren.....	Tiskilwa	Wright, Joseph.....	Fairbury
ams, Daniel.....	Rapatee	Wright, Hiram.....	Danville
ams, Alfred.....	Roden	Wytcherley, Ed.....	Peoria
erson, J. F.....	Grape Creek.....		
s, Alex.....	Oraville		
s, Charles.....	Mapleton	Yerman, Timothy.....	Cuba
on, George.....	West Jersey	Young, John A.....	Cartersville
on, John.....	Colchester	Young, S. J.....	Griffin
on, M. H.....	Duquoin		
on, A. E.....	Macomb		
on, Thomas E.....	Blandinsville	Zetter, Albert.....	Freeburg
on, Joseph.....	Swan Creek	Zink, G. W.....	Peoria
on, Anthony.....	Danville	Zah, John.....	Mt. Pulaski.....

HOISTING ENGINEERS HOLDING CERTIFICATES OF COMPETENCY.

NOTE--This list includes all the hoisting engineers to whom certificates have been issued prior to Jan. 1, 1907.

Name.	Postoffice.	Name.	Postoffice.
Abcock, C. F.	Nilwood	Balser, Henry	Springfield
Ablen, Henry	Breese	Balsmith, Edward	Assumption
Adams, Nelson	Lincoln	Barahill, H. G.	Kinmundy
Adams, William H.	Braldwood	Barahill, Oscar B.	Herrin
Ainsworth, Samuel, Jr.	Taylorville	Barber, C. E.	Daquola
Aitken, T. G.	Tilden	Barber, C. W.	Daquola
Aitken, J. S.	Tilden	Barber, William G.	Tilden
Alexander, Henry	Oglesby	Barr, Frank	Centralia
Alexander, W. A.	Roseboro	Bartram, Perry	Ladd
Allan, Edward	Collinsville	Barton, C. W.	Cable
Allan, Joseph	Collinsville	Barton, Charles W.	Fairmount
Allen, David	Collinsville	Bateman, Harry	Murphysboro
Allen, C. E.	Troy	Bateman, R.	Murphysboro
Allen, C. H.	Seneca	Bates, Thomas W.	Winchester
Allgood, William	Springfield	Bath, Ameston	Cuba
Altman, H. P.	Collinsville	Barwick, Charles	Cartersville
Anderson, Henry	Lincoln	Baumgartner, George J.	Edwardsville
Anderson, J. F.	Pinckneyville	Beard, Charles A.	Streator
Anderson, W. C.	Elmwood	Beatty, James H.	Mascoutah
Anderson, Norman A.	Princeville	Beatty, George W.	Mascoutah
Anderson, Z. B.	Sparta	Beatty, Nepha	Mascoutah
Anderson, Charles E.	Belleville	Beck, Peter L.	Springfield
Andrews, Solomon	Girard	Becker, Fritz	Mt. Olive
Anthony, John C.	Belleville	Becker, F. M.	Sandoval
Appleby, John	East Peoria	Beharelle, Alfred	Mapleton
Appleton, Thomas	Virden	Behrend, A. D.	Springfield
Archer, Joseph	Barclay	Beeby, William	Springfield
Archibald, David	Freeburg	Beese, John E., Jr.	Belleville
Armentrout, Martin	Duncan	Beese, Charles H.	Belleville
Armstrong, W. B.	Harrisburg	Bell, Chris	Sherrard
Armstrong, C.	Muncie	Bell, Mark	Danville
Armstrong, William C.	Marion	Bell, Frank	Tallula
Arterberry, Albert	Cartersville	Belt, W. H.	Centralia
Ashcraft, Charles C.	Pana	Belts, Joseph E.	Belleville
Ashman, Joseph L.	Murphysboro	Belts, J. L.	Fladorado
Ashman, Joseph	Murphysboro	Belts, A.	Equality
Atkin, Robert R.	Tilden	Bennett, William	Staunton
Atwater, Stephen	Clark City	Bennight, J. E.	Fawnee
Aughton, Robert H.	Lincoln	Bently, George	Springfield
Averill, C. F.	Colchester	Benton, Poole E.	Herrin
Avery, William	Lenz Station	Benvenuto, Charles	Dawson
Ax, Henry	Edwardsville	Berens, Peter H.	Coal City
		Berg, John	Mt. Olive
		Berkley, N. T.	Cuba
Bailey, James F.	Westville	Bertin, Henry	Pana
Balwir, John	Braldwood	Bickerstoff, A. H.	Fladorado
Bailey, Robert	Sunfield	Bienert, J. O.	Spaulding
Baird, Robert	Sparta	Bigelow, A. E.	Spaulding
Baker, Darius N.	Spillertown	Bigelow, George F.	Spaulding
Baker, F.	Springfield	Biggs, W. A.	Herrin
Baker, James E.	Westville	Birzele, Jacob	Girard
Baker, C. H.	Fairmount	Blake, Albert	Streator

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
an, Ben.	Dawson	Bullock, George R.	Cartersville
Charles F.	Niantic	Bumgarner, Ross.	Ledford
George.	Streator	Burke, Robert.	Oakwood
esse.	Norris	Burrell, G. K.	Farmington
James A.	Troy	Burrows, William	Williamsboro
arg, Albert.	Sherrard	Butcher, Thomas.	Murphysboro
Joseph M.	Kewanee	Butcher, Hansel.	Georgetown
J.	Gilchrist	Butt, Thomas R.	Litchfield
er, Alfred.	Freeburg	Byrne, Michael.	LaSalle
Dow J.	Kewanee		
E. W.	Galva		
G. W.	Galva	Cagle, Alfred.	Marion
Henry E.	Mt. Olive	Cain, Daniel.	Ridgley
ler, Edward.	Pekin	Cain, Daniel P.	Ridgley
Mark.	Gilchrist	Cain, John.	Ridgley
ver, Joseph.	Duquoin	Callier, Isaac.	Pottstown
t, John, Jr.	Danville	Callier, George H.	Peoria
t, A. H.	Colliston	Cameron, Daniel.	Pana
nd, W. P.	Coal City	Camp, John R.	Westville
Vaughn.	Princeville	Campbell, A.	Peoria
James Franklin.	Germantown	Campbell, Fred.	Sorento
Frank L.	Odin	Campbell, T.	Coal City
as, Wade.	Athens	Campbell, W. J.	Coal City
k, George.	Farmington	Campbell, William T.	Cable
William H.	Murphysboro	Cantrell, H. T.	Farmington
William.	Dunfermline	Carlson, Alexander.	Galva
L. R.	Marion	Carmichael, Thomas	Springfield
William.	Auburn	Carmichael, John.	Berlin
ley, B.	Paisley	Carpenter, Charles.	Girard
Leonard.	Belleville	Carpenter, James T.	Oakwood
Archibald.	Marion	Carr, Robert H.	Freeburg
Alex.	Kangley	Carr, M. E.	Carrier Mills
ry, R. D.	Carbondale	Carrington, Eugene.	Moweaqua
burg, F.	Belleville	Carsell, Hugh.	Moweaqua
Simon.	Edwardsville	Carter, Albert J.	Cutler
Elit, G.	Pekin	Carter, Roy.	Barclay
d, Herman.	Mt. Vernon	Carter, W. E.	Barclay
William P.	Viriden	Castleman, William F.	Springfield
iy, Kenneth.	Herrin	Carter, Charles H.	Barclay
James G.	Peoria	Carter, Ernst.	Glen Carbon
S. R.	Centralia	Catlin, Horace W.	Harrisburg
d, Newton.	Cartersville	Caudle, James F.	Sorento
Anton.	Germantown	Caulk, Arthur.	Sorento
Belleville	Belleville	Cearing, Samuel A.	Springfield
Matt.	Tamara	Chambers, G. W.	Nokomis
n, Robert.	Braidwood	Chance, Jesse, Jr.	Farmington
ck, James.	Coal City	Chapman, J. B.	Petersburg
y, Charles.	Catlin	Chapman, William E.	Sallsbury
y, George, Sr.	Kellyville	Charles, Thomas.	Coal City
ry, George, Jr.	Coffeen	Charneckey, Walter.	Spring Valley
ton, George C.	Mt. Pulaski	Charpenter, Joseph.	Braidwood
David.	Hes Junction	Chesney, O.	Breese
George A.	Duquoin	Chester, David.	Springfield
H. L.	Springfield	Chew, Oliver.	Sato
James A.	Moweaqua	Chew, B. R.	Carlville
Thomas.	Pontiac	Chitwood, William H.	Catlin
William F.	Duquoin	Chorlton, Thomas.	Birkner
William H.	Sparta	Church, Van L.	Duquoin
Edward E.	Murphysboro.	Church, William.	Marissa
William.	Taylorville	Christ, Phillip.	Wenona
Marion.	Marion	Clark, Corey.	Coal City
Lindolph.	Pawnee	Clark, Harvey.	Westville
c, John W.	Belleville	Clark, Christopher.	Decatur
emann, Michael A.	Nashville	Clark, C. C.	Girard
man, George.	Athens	Clark, C. N.	Duquoin
James.	Sparland	Clark, John.	Marquette
r, Calvin W.	Belleville	Clark, John R.	Viriden
George.	Brereton	Clark, John.	Viriden
lge, J. W.	Greenview	Clark, Quintin.	Braidwood
s, Charles E.	DeSoto	Clark, Henry L.	Petersburg
Riley M.	Dewmaine	Claudin, Josh.	Pekin
lder, Oliver W.	Percy	Clayton, William.	Collinsville
on, Aaron.	Coulterville	Clayton, D. J.	Johnson City
Chauncey.	Collinsville	Clickner, C. S.	Witt
William.			

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Clifford, Michael.....	Kewanee	Davis, Frank.....	St. John
Clifton, William H.....	Sparland	Davis, James A.....	Hillsboro
Cline, John.....	LaSalle	Davis, Charles W.....	Edinburg
Clink, Charles.....	Springfield	Davis, Jackson.....	Athens
Coan, James.....	Westville	Davis, E. E.....	Auburn
Coatney, Grant.....	Farmount	Davis, Frank.....	Lincoln
Coburn, W. A.....	Princeville	Davis, Harry J.....	Duquoin
Collinton, Charles.....	Belleville	Davis, James P.....	Belleville
Collingwood, William.....	Greenville	Davis, John W.....	Lake Creek
Collingwood, Albert E.....	Springfield	Davis, John.....	Belleville
Collins, Walter.....	Mt. Vernon	Davis, L. D.....	Coffeen
Collins, John.....	Birkner	Davis, Thomas.....	Belleville
Colton, George C.....	Carterville	Davis, Hardin.....	Elodorado
Colwell, W. P.....	Canton	Davis, William H.....	Fairbury
Compton, James.....	Colfax	Davis, Charles A.....	Belleville
Compton, Stephen B.....	Sorento	Davison, John G.....	St. John
Conley, John.....	Streator	Davison, Joseph.....	Sherrard
Conley, Clarence.....	Herrin	Dawson, Van C.....	Spring Valley
Connelly, J. J.....	Murphysboro	Dawson, John C.....	Streator
Conway, John.....	Collinsville	Day, James.....	Peoria
Conway, Michael.....	Ladd	Day, Benjamin F.....	Peoria
Cook, G. E.....	Hallidayboro	Deans, Robert.....	Belleville
Cook, John.....	Peria	Deaton, L. B.....	Tallula
Cook, William D.....	Westville	Deaton, William S.....	Greenville
Cook, Tom.....	Duquoin	DeBacher, Thomas.....	Elmwood
Cook, John.....	Elkville	Decker, William.....	Oglesby
Cooper, J. H.....	Nilwood	Dee, Henry.....	Glen Carbon
Corbett, Charles.....	Divernon	DeJarnett, Thomas.....	Mt. Vernon
Cornelius, Richard.....	Farmount	Delmore, Frank.....	Springfield
Cottle, Elmer.....	Buffalo	Delapp, Robert E.....	Willisville
Cotton, George.....	Hallidayboro	Delorey, William.....	Westville
Cox, John.....	Ledford	Dempsey, Columbus.....	Harrisburg
Cox, William.....	Rutland	Dent, Will.....	Diamond
Craddock, Robert.....	Auburn	Denton, Fred.....	Petersburg
Craft, George.....	Kangley	Derrington, Walter.....	Herrin
Craig, Daniel G.....	Danville	Denton, O. N.....	Coffeen
Craig, Daniel.....	Danville	Denton, William.....	Petersburg
Crenshaw, D. B.....	Harrisburg	Derrington, Clark.....	Herrin
Crenshaw, J.....	Marion	Devlin, Francis.....	Clark City
Crews, Jesse.....	Hallidayboro	Dick, Robert.....	Sunfield
Crinigan, Barney.....	LaSalle	Dillon, John.....	Auburn
Crofts, James.....	Cardiff	Dillon, William.....	Auburn
Croker, Edward.....	Marquette	Dixon, Frederick W.....	Springfield
Crouch, Millard F.....	Nilwood	Dixon, George.....	Wenona
Cryder, James F.....	Divernon	Dodd, Samuel H.....	Pottstown
Cruikshanks, Robert.....	Middle Grove	Dodwell, Edward.....	Decatur
Cruikshanks, John.....	East Peoria	Donaldson, James.....	Kangley
Cruikshanks, William A.....	East Peoria	Doolin, E. W.....	Pontiac
Cruthers, Zina B.....	Taylorville	Dochring, Fred.....	Mt. Olive
Cummings, George.....	Pana	Douck, John.....	LaSalle
Cumming, George A. P.....	Gardner	Donaldson, J. W., Jr.....	Dunfermline
Cumming, George P.....	Sparland	Donnelly, J.....	Springfield
Cummings, Robert W.....	Sparta	Doolin, E. J.....	Pontiac
Cunningham, William.....	Swanwick	Dougherty, Joseph.....	Taylorville
Cutler, Frank H.....	Princeville	Dove, C. W.....	Glen Carbon
Cutler, Scott.....	Duquoin	Dowles, Fritz C.....	Breese
Daenzer, Anton.....	Glen Carbon	Dowler, John.....	Auburn
Dohm, John, Jr.....	Belleville	Dowling, Ira F.....	Springfield
Dalhour, Frank C.....	Staunton	Downing, Robert D.....	Bartonville
Dalton, Isam.....	Yates City	Downes, J. L.....	Johnson City
Daly, Thomas.....	Diamond	Downs, L.....	Cuba
Dana, John W.....	Springfield	Driscoll, Fred W.....	Taylorville
Daniel, James.....	Belleville	Drake, William.....	Streator
Daniels, Joel.....	Belleville	Dray, John.....	Troy
Dankins, Thomas J.....	Raceville	Drennan, L. H.....	Blue Mound
Darmstadter, William.....	New Athens	Duffy, Glenn E.....	Collinsville
Dave, R. J.....	Glen Carbon	Dugg, B. A.....	Collinsville
Davenport, George.....	Harrisburg	Duncan, J. R.....	LaSalle
Davenport, Thomas.....	Harrisburg	Dunlap, Bert.....	Nokomis
Davis, B. D.....	Coffeen	Dunn, L. A.....	Duquoin
Davis, Carl.....	St. John	Dunn, William L.....	Clark City
Davis, Cyrus.....	Marion	Dunsmore, Thomas.....	Springfield
Davis, C. E.....	Divernon	Dunstedler, William S.....	Edwardsville
		Durham, James D.....	Lake Creek

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
George.....	Glen Carbon	Fortney, John W.....	Kinmundy
Harry.....	Duquoin	Foster, Albert.....	Elmwood
		Foster, A. J.....	Litchfield
Henry E.....	Hillsboro	Fox, Frank L.....	Assumption
H.....	Taylorville	Fox, Fred.....	Middle Grove
A. C.....	Duquoin	Fox, William.....	Taylorville
Robert.....	Sunfield	Fox, James B.....	LaSalle
George.....	Willaville	Fox, Arthur.....	Springfield
John.....	Streator	Fox, Thomas.....	Lincoln
Melvin.....	Athens	Frain, Austin.....	Ridge Prairie
Evermont.....	Athens	Frankland, Tim.....	Streator
G. A.....	Girard	Freeman, M. F.....	Shelbyville
George W.....	Springfield	Freeman, E. F.....	Duquoin
Alexander C.....	Marissa	Frick, U. B.....	Lake Creek
Clarence.....	Bryant	Friend, J. W.....	Collinsville
H. H.....	Centralla	Frier, Jacob.....	Ormsby
Thomas.....	Spring Valley	Friend, E. A.....	Collinsville
Daniel B.....	Springfield	Friend, William L.....	Collinsville
Henry.....	Ridgely	Friesland, O. M.....	Salisbury
Ransom R.....	Farmington	Fritz, Gustav.....	Breesee
Albert.....	Cable	Fritz, William.....	Lebanon
dorf, E.....	Belleville	Fry, D. W.....	Clark City
V. M.....	Coffeen	Frye, William S.....	Coal City
H. W.....	Greenville	Ferguson, S. P.....	Strasburg
Thomas.....	Streator	Fuller, John S.....	Springfield
Jacob D.....	Niantic	Fuston, D. H.....	Murphysboro
Jesse.....	Niantic		
W. B.....	Danville	Gahl, Fred T.....	St. John
Albert.....	Glen Carbon	Gallagher, George.....	Lebanon
Roderick B.....	Girard	Galutia, C. M.....	Cartersville
Thomas.....	Spaulding	Garrett, Bert.....	Moweaqua
C. L.....	Virden	Gombler, H. H.....	Ziegler
Price.....	Bissell	Gandy, James W.....	Peoria
W. E.....	Danville	Gaskins, Asa.....	Harrisburg
William L.....	Eldorado	Gately, Bernard.....	Diamond
John C.....	Canton	Gately, James.....	Seatonville
Frank.....	Spring Valley	Gasnell, George W.....	Herrin
Henry.....	Coulterville	Gately, Albert.....	Granville
David.....	Duquoin	Gates, William S.....	Kankakee
		Gallagher, Peter.....	Clark City
		Gaughan, James.....	Braidwood
A.....	Braceville	Geer, Benjamin H.....	Wolcott
John.....	Decatur	Geer, U. S.....	Peoria
stein, George A.....	Astoria	Geer, Chauncey N.....	Wolcott
Richard.....	Glen Carbon	Galmour, Allen.....	Diamond
Frank.....	Bloomington	Geishek, Mathew.....	Springfield
James.....	Riverton	Gerner, Fred.....	Danville
L. C.....	Springfield	Gerjetts, Harry.....	Athens
ohn E.....	Murphysboro	Geyer, J. A.....	Wanlock
M. H.....	Streator	Gibson, John.....	Sandoval
on, J. B.....	Divernon	Gibson, J. W.....	Sherrard
on, John J.....	Spring Valley	Gibson, Henry.....	Coal City
Edward.....	Barclay	Gierlen, William.....	Pinckneville
W. H.....	Marquette	Gilchrist, H. M.....	Gilchrist
Berton.....	Wimwood	Gilmore, J. E.....	Hillsboro
am, J. A.....	Canton	Gibson, R. W.....	Danville
an, Thomas J.....	Springfield	Girfen, Henry.....	Troy
n, William H.....	Springfield	Glaken, Hugh.....	Coal City
William R.....	Cutler	Gladdens, William.....	Coal City
Phillip.....	Lenzburg	Gladson, E.....	Duquoin
George.....	Stanton	Gladson, F.....	Duquoin
Patrick.....	Kanzlev	Glass, Reuben.....	Edwardsville
Charles.....	Cartersville	Gleichman, Herman.....	Collinsville
mons, Maurice.....	Peru	Glennon, Philip.....	Williamsville
r, A.....	Taylorville	Glennon, John.....	Riverton
r, O.....	Clay City	Glover, Frederick.....	Peoria
er, Henry A.....	Ladd	Goalby, Arthur A.....	Percy
er, I. W.....	Springfield	Goalby, B. F.....	Percy
on, Andrew.....	Central City	Goalby, Frank H.....	Stockey
Charles.....	Westville	Goalby, W. A.....	Belleville
William.....	Westville	Goddard, William H.....	Spillertown
er, Robert.....	Murphysboro	Goddard, W. L.....	Lake Creek
er, William.....	Murphysboro	Goforth, William.....	Pana

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Golliher, H.	Herrin	Haddicks, Frederick H.	Cable
Gordon, E. J.	Petersburg	Happer, Frank	Edwardsville
Gordon, Alex. B.	O'Fallon	Harding, Enos	Birkner
Gorham, A. B.	Lincoln	Hardy, Warren	Pawnee
Gorman, J.	New Douglas	Harms, Helke	Petersburg
Gottschalk, Fred.	Springfield	Harper, Oscar	Lebanon
Gould, George	Sato	Hardy, Thomas	Springfield
Gowin, Curtis	Green Ridge	Hardy, Thomas W.	Dawson
Gowin, Frank	Green Ridge	Harms, Will J.	Petersburg
Grace, John T.	Kewanee	Harmon, M. W.	Oglesby
Graham, L. A.	Bloomington	Harner, Elmer	Decatur
Graham, William	Springfield	Harris, J. W.	Springfield
Graden, Orville B.	Taylorville	Harris, W. C.	Nilwood
Graham, Reuben	Virdeu	Harrison, Floyd	Salem
Grant, Lewis	Pekin	Harrison, John, Jr.	Coulterville
Gray, Thomas	Springfield	Harrop, Horace W.	Farmington
Gray, Charles H.	Springfield	Hartley, Joseph H.	Coal City
Greaves, Walter	Ladd	Hartman, Frank	Murphysboro
Green, Joseph	Canton	Hartman, John F.	Murphysboro
Green, Daniel	Braidwood	Hartwell, A. Lincoln	Marion
Green, Roy	Wilmington	Hartwell, J.	Marion
Green, R. A.	Coffeen	Hartwell, Roy	Marion
Green, Thomas	Marissa	Harvey, M. F.	Duquoin
Green, William H.	Streator	Hartman, W. H.	Coulterville
Greenhalgh, James	Hillsboro	Harvey, William E.	Wanlock
Greenhalgh, William	Hillsboro	Haughnatt, John D.	Spring Valley
Greenman, Martin	Pontiac	Havel, Joseph	French Village
Grener, George	Greenville	Hawker, J. O.	Pana
Grerson, John	Streator	Haworth, William	Sandoval
Grimmett, Charles C.	Girard	Hayes, Arthur H.	Danville
Grice, Albert	Kewanee	Hayes, Earle	Danville
Grieves, David	Birkner	Hayes, James	Bloomington
Grieves, James	Birkner	Hayler, George L.	Murphysboro
Griffin, John O.	Kewanee	Head, John S.	Assumption
Groom, Alexander	Belleville	Heckman, Sol.	Coffeen
Groom, John, Sr.	Belleville	Heffron, William	Riverton
Groom, James	Belleville	Heldinger, F. C.	Mt. Olive
Groom, Willim	Belleville	Heigelst, Bruno	Spring Valley
Groom, John	Belleville	Hendrick, C. W.	O'Fallon
Groover, Harmon M.	Canton	Hennegan, John F.	Wanlock
Grubb, Michael	Riverton	Henry, Philip	Kewanee
Gelstdorfer, Fred	DeSoto	Henry, John J.	Greenville
Guppy, Edgar	Bartonville	Heppard, George	Belleville
Guy, D. F.	Springfield	Herder, Walter	Edwardsville
Gurick, Howard	Litchfield	Herman, John	Belleville
Gurick, L. E.	Litchfield	Herring, George P.	Odin
Guthrie, T. E. B.	Marissa	Herring, J. P.	Staunton
		Hershaw, A. F.	Abingdon
		Heskitt, John	Ridgely
Hackett, Owen	Spaulding	Hess, Edward B.	Morrisonville
Haddick, William L.	Sherrard	Heublin, Walter H.	Greenville
Haensel, Herman	Lenzburg	Higbee, Lawrence	Wyoming
Haensel, Edward	Lenzburg	Hilliard, James	St. David
Haensel, David	Lenzburg	Hilliard, Frank	St. David
Hagler, Charles	Fredonia	Hillery, John	Dunfermline
Hale, William T.	Troy	Hill, C. C.	Marissa
Hale, James	Dunfermline	Hill, C. W.	Pontiac
Haley, Edward	Kinmundy	Hill, Emberson	Westville
Hall, G. R.	Colchester	Hilliard, George	St. David
Hall, G. R.	Nilwood	Hilmes, Henry	Astoria
Hamilton, Thomas	Murphysboro	Hines, P.	Toluca
Hamilton, Charles E.	Canton	Hindman, Milo	Herrin
Hamilton, James H.	Sparland	Hobbs, Francis E.	Centralia
Hampton, N. R.	Murphysboro	Hodgson, Edward	Murphysboro
Hand, P. L.	Peoria	Hodson, Moses	Smithboro
Hanvey, John	Collinsville	Hodson, John	Taylorville
Handle, Ledlie	Taylorville	Hoecker, Charles	Glen Carbon
Hanenstien, J. W.	Willsville	Hogan, Frank	Springfield
Hanes, W. J.	Salem	Holland, Arthur J.	Mt. Olive
Hankins, John W.	Sorento	Holland, Miner	Cartersville
Hanson, William	O'Fallon	Holtkamp, George	Freese
Hanvey, John J.	Collinsville	Holzer, A. Eugene	Mt. Olive
Hanvey, Robert	Collinsville	Hooper, George	Glen Carbon
Hanvey, William	Collinsville	Hooper, H. H.	Gillespie

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
G.	Glen Carbon	Johnston, Thomas B.	Freeburg
Shelby	Catlin	Jones, George.	Belleville
R. L.	Harrisburg	Jones, David H.	Murphysboro
William T.	Hornsby	Jones, Henry E.	Staunton
Roy	Taylorville	Jones, John P.	Marissa
Alvin	Toluca	Jones, Jonathan, Jr.	Marissa
er, J.	Freeburg	Jones, Vernaling L.	Barclay
C. O.	St. John	Jones, Jonathan, Sr.	Marissa
S. J.	Hanna City	Jones, Joseph.	Staunton
Charles	Streator	Jones, Logan	Marissa
George	Blairsville	Jones, Felix E.	Barclay
R. J.	Viola	Jones, Thomas.	Muncie
I. G. W.	Springfield	Jones, William	Marissa
I. L. W.	Springfield	Jones, William	Braceville
.....	Canton	Jones, John	Grape Creek
s, R. D.	Streator	Jones, James W.	Pana
.....	Murphysboro	Jones, John	Marissa
.....	Streator	Jones, R. T.	Kewanee
William A.	Springfield	Jordan, Robert	Streator
F. E.	Johnston City	Joseph, Maynard	Troy
John C.	Springfield	Jordan, John E.	Sesser
B. B.	Greenville	Judd, Charles E.	Edwardsville
ee	Murphysboro		
H. John	Lincoln	Kalebaugh, Clinton H.	Astoria
ey, Charles	Edinburg	Kalons, Frank	Glen Carbon
ey, W. F.	Edinburg	Karnes, George R.	Galatia
Robert	Sparta	Karney, Emory O.	Hallidayboro
I. Jacob	Springfield	Kasselman, Frank H.	Worden
		Keating, Edward F.	Streator
Andrew C.	Murphysboro	Keating, Richard	Streator
William A.	Duquoin	Keller, William	Eldorado
George M.	Marion	Kelley, James D.	Carbon Hill
Orle W.	Glen Carbon	Kelly, Martin	Toluca
George	Glen Carbon	Kelley, Robert D.	Carbon Hill
A.	Glen Carbon	Kelly, Charles	Streator
Alvin	Gillespie	Kelly, N.	Petersburg
Byron	Pana	Kelly, George	Worden
John	Gillespie	Kelly, Richard V.	Cantrall
Robert K.	Pontiac	Kemper, Christian	Belleville
George	Roseboro	Kenady, Fred A.	Cambridge
Charles	Sparta	Kenady, Perry	Cambridge
Henry M.	Belleville	Kennedy, W. J.	Edwardsville
		Kearney, John	Peoria
		Kerchner, Howard	Belleville
		Kerchner, John	Belleville
		Kerns, Samuel J.	Springfield
I. William	Minonk	Kessick, Charles W.	Decatur
George R.	Elmwood	Kester, Charles E.	Raymond
James M.	Moweaqua	Kidd, Alonzo	Fairmount
James M.	Streator	Kilbride, T. C.	Farmington
J. P.	Bartonville	Killinger, C.	Collinsville
William	Murphysboro	Killinger, Harry	Germantown
W. Sr.	Peoria	Killinger, John	Collinsville
n. John	Petersburg	Kimball, Joel L.	Hillsboro
Richard, Jr.	Cuba	Kimber, John	Ladd
James	Marissa	Kinder, Nelson	Pray
John	Belleville	King, John	Carterville
I. John L.	Danville	Kingerfus, William	Belleville
I. T. E.	Athens	Kinghom, John	Staunton
William	Bloomington	King, Alexander, Sr.	Carterville
Thomas	Virden	King, Alexander, Jr.	Carterville
n. James J.	Taylorville	King, L. B.	Smithboro
n. John W.	Duquoin	King, Charles	Collinsville
n. J. S.	Rirkner	Kincannon, John	St. John
n. Robert	Pawnee	Kirby, Thomas, Jr.	Peru
n. S.	St. John	Kirshner, Frank	Belleville
n. W. C.	Marion	Klaus, Louis	Belleville
n. William H.	Soperville	Klein, George	Gillespie
n. William L.	Spring Valley	Klingenfus, Edward	Belleville
n. Elijah W.	Marissa	Klinkner, Frank	Colfax
n. Harmon	Middletown	Knapp, Enos	Assumption
on, Joseph R.	Pontiac	Koenig, George	LaSalle
n. Jerry	Middletown	Koombs, James	Marion
one, Thomas	Pontiac		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Kossleck, George.....	Decatur.....	Mair, Max.....	Lebanon.....
Krully, Andrew.....	Braceville.....	Malcolm, William J.....	Braceville.....
Kuhn, Fred A.....	Trenton.....	Maitly, Edward.....	Braidwood.....
		McAddams, John W.....	Percy.....
		McAllister, Thomas.....	Hallidayboro.....
Lamb, William E.....	Coal City.....	McCann, David.....	Lincoln.....
Lambert, George W.....	LaSalle.....	McCarthy, John.....	Lincoln.....
Lambert, William.....	Middletown.....	McCartney, C. F.....	Alexis.....
Lanc, Charles C.....	Farmington.....	McCauley, Aaron.....	Streator.....
Landers, John.....	Staunton.....	McClelland, A. J.....	Cuba.....
Lanham, John W.....	Danville.....	McConachie, Ed.....	Auburn.....
Larkin, James G.....	Athens.....	McCormack, James J.....	Springfield.....
Larkin, William.....	Taylorville.....	McCulley, G. L.....	Pawnee.....
Lapghery, Jonathan P.....	Carbon Cliff.....	McCunskey, Tobias.....	Assumption.....
Lavallier, U. S.....	Chenoa.....	McCurdy, J.....	Taylorville.....
Lawson, George.....	Cable.....	McDonald, John.....	Springfield.....
Layne, J. W.....	DeSoto.....	McDonald, W. H.....	Pana.....
Leake, William.....	Minook.....	McDonald, William J.....	Percy.....
Ledbetter, George.....	Sorento.....	McDonald, Peter G.....	Carbon Hill.....
Lee, Robert E.....	Sherrard.....	McDonald, Frank R.....	Athens.....
Leek, Carroll.....	Hallidayboro.....	McFarland, F. E.....	Murphysboro.....
Leeper, C. W.....	Equality.....	McGarry, William.....	Ladd.....
Lehman, Phillip.....	Lebanon.....	McGee, G. W.....	Cartersville.....
Lemons, J. L.....	Girard.....	McGittigan, Thomas.....	Pana.....
Leslie, G. Lutton.....	Rutland.....	McGowan, Edward.....	Lincoln.....
Leslie, George.....	Gardner.....	McGowan, J. R.....	Herrins Prairie.....
Leslie, N. B.....	Braidwood.....	McIntyre, A. D.....	Sparta.....
Lewis, Richard W.....	Gillespie.....	McKean, Andrew.....	Coal City.....
Lewis, Alvan.....	Castlin.....	McKean, John.....	Carbon Hill.....
Lewis, Clayton.....	Carriers Mills.....	McKean, Isaac.....	Coal City.....
Lewis, James.....	Canton.....	McKearnan, J. B.....	Athens.....
Lewrick, John.....	Springfield.....	McKee, C. L.....	Lake Creek.....
Lindsey, J.....	Oglesby.....	McKeeman, John.....	Belleville.....
Lewis, Spiller D.....	Marion.....	McLaughlin, F. T.....	Carbon Hill.....
Lipscomb, Arthur.....	Breese.....	McLaughlin, George.....	Carbon Hill.....
Lindskey, Martin H.....	Streator.....	McLean, J.....	Pleasant Plains.....
Lindstrom, Oscar.....	Sherrard.....	McIntire, Martin S.....	Sparta.....
Liner, John.....	Oglesby.....	McMillin, W. M.....	Danville.....
Linsky, James.....	Braidwood.....	McMurry, P.....	Virden.....
Linsky, Patrick J.....	Braidwood.....	McNeil, Albert.....	Mt. Vernon.....
Little, G. E.....	Edwardsville.....	McPherson, James.....	Murphysboro.....
Little, Peter.....	Peoria.....	McQuade, J.....	Clark City.....
Little, Thomas.....	Murphysboro.....	McNeill, S.....	Coulterville.....
Little, Harry.....	Herrin.....	McNutt, T. C.....	Taylorville.....
Lockhart, Lewis.....	Niantic.....	McVey, Frank W.....	Rosnoke.....
Lockie, G. O.....	Cartersville.....	McVicar, Donald.....	LaSalle.....
Lockie, William.....	Cartersville.....	Marland, William.....	Staunton.....
Loding, Charles A.....	Loding.....	McWilliams, Harry.....	Belleville.....
Loebel, Frank.....	Trenton.....	Marland, James.....	Wenona.....
Loeffler, Adolph A.....	O'Fallon.....	Marland, William.....	Spartan.....
Long Noah B.....	Pontiac.....	Marie, John E.....	Pottstown.....
Long, Edward.....	Norris.....	Marshall, Robert.....	Murphysboro.....
Longerbon, L. T.....	Cantrall.....	Martin, Benjamin.....	Toluca.....
Lozin, P.....	Lincoln.....	Martin, N. W.....	Marion.....
Lucht, M. F.....	Mt. Olive.....	Marxer, Lewis J.....	Millstadt.....
Lucey, Michael.....	Ridgley.....	Marxer, William J.....	Millstadt.....
Lundeen, Frank W.....	Galva.....	Massie, J. T.....	Belleville.....
Lundy, J. P.....	Mt. Pleasant.....	Mason, E.....	Winchester.....
Lundley, Ralph.....	Ridge Prairie.....	Mathis, Charles.....	Duquoin.....
Luscher, John.....	Mt. Olive.....	Mathis, George.....	Duquoin.....
Lyday, Benjamin F.....	Sesser.....	Matthews, C.....	Willsville.....
Lynch, John B.....	Muncie.....	Maule, William.....	Belleville.....
Lynch, M.....	Herrin.....	Maxwell, Fred.....	Peoria.....
Lyons, A.....	Riverton.....	Mayor, A. W.....	Duquoin.....
		Mayor, J. W.....	Duquoin.....
		Meadows, William.....	Ledford.....
		Mechaelis, Edward.....	Belleville.....
Maasburg, H. C.....	Pinkneyville.....	Melthe, William.....	Georgetown.....
Mander, Charles H.....	Staunton.....	Melton, Frank.....	Gillespie.....
Madden, Harvey.....	Danville.....	Melvin, Elmer.....	Tamara.....
Manley, Leo.....	Coffeen.....	Meng, George W.....	Freeburg.....
Manning, Ed. I.....	Cartersville.....	Menk, Hugh E.....	Edwardsville.....
Mann, John B.....	Sherman.....	Meredith, Arthur B.....	Troy.....
Mainwaring, James.....	Braceville.....	Merced, I. W.....	St. John.....

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Horace C.	Collinsville	Nelson, James W.	Sparta
Smith, Fred.	Athens	Nelson, Andrew V.	Centralla
Mr. Joseph.	Williamsville	Nentzel, Fred H.	Cassysville
Henry.	Trenton	Newal, Leroy.	Spartland
John.	Staunton	Nevenor, James.	Belleville
Otto L.	Belleville	Nichols, John.	Athens
L. J. F.	Centralla	Nichols, E. E.	Coffeen
Hugh.	Braceville	Nichols, F. B.	Coal Valley
James C.	Tamaroa	Nickerson, James K.	Colfax
James.	Alma	Nicobaldes, George.	Dewmaine
T. H.	Raymond	Nicol, William.	Belleville
William C.	Rentchler	Nicol, Adolph.	Belleville
Thomas S.	Coal City	Norborg, Peter.	Galva
John.	Mt. Olive	Norborn, Frank.	Galva
Robert A.	Spaulding	Norgart, Andrew.	Streator
E. R.	Farmington	Norris, James J.	Murphysboro
alter.	Pana	Norris, Floyd.	Duquoin
Luther.	Niantic	Norton, William.	Oglesby
E.	Peoria	Norton, Victor.	Breaston
se, Charles L.	Danville	Nordfeet, Thomas M.	Springfield
R. E.	Cutler		
John.	So. Wilmington	O'Brien, Terry.	Decatur
A.	Springfield	O'Donnell, Michael.	Decatur
n, James.	Gillespie	Ogden, William.	Rentchler
J. W.	Springfield	Ogden, Samuel.	Mascoutah
N.	Johnston City	Olinger, J.	Odin
i. E.	Troy	Olive, Edmund.	Livingston
A.	Braceville	Olson, August.	Streator
John A.	Christopher	O'Neal, James.	Streator
A. D.	Elmwood	Ondesco, George.	Braceville
John.	Belleville	Ople, Frederick.	Mt. Olive
Joseph W.	Springfield	O'Riley, Wilbur.	Grange Creek
Charley.	Eldorado	Ord, S. R.	Mt. Vernon
John C.	Springfield	Ormiston, R.	Danville
William.	Carbon Hill	Osborne, Benjamin.	Streator
Frank.	Peoria	Osburn, Glen L.	Streator
A.	Duquoin	Otte, John.	Collinsville
J.	Springfield	Outhouse, John.	Johnson City
John W.	Divernon		
George.	Belleville	Packingham, Harry.	Granville
James H.	Nashville	Paddock, W. D.	Pana
James.	Mt. Olive	Padden, J. W.	Spring Valley
William.	Mt. Olive	Pair, J. H.	Williamsville
William.	Harrisburg	Pallardy, William P.	Springfield
John.	Duquoin	Parks, J. H.	Streator
Thomas.	Lebanon	Parker, Joseph.	Murphysboro
Patrick.	Staunton	Parsh, Gus.	Auburn
Archie.	Oglesby	Patterson, R. J.	Murphysboro
Joseph L.	Edinburg	Patterson, T.	Gillespie
Jacob W.	Rentchler	Patterson, W. M.	St. Louis, Mo.
y. Christopher.	Edwards	Patterson, Bert.	Westville
y. A. T.	Glenburn	Pankay, James M.	Equality
Alfred L.	Belleville	Patton, Frank L.	Springfield
Joseph L.	Belleville	Payton, Ralph E.	Besser
Robert T.	Norris	Pearce, H. L.	Cable
Edward.	Farmington	Peecher, David.	Braidwood
James F.	Springfield	Pett, Charles.	Marionville
Archie.	Trenton	Pemberton, C. H.	Duquoin
Robert.	Coal City	Perkes, Ephraim.	Keokuk
Christopher C.	Gillespie	Petres, J. W.	Vandercook
Hugh.	Nashville	Peters, Alonzo L.	Peoria
Joseph P.	Rosboro	Petro, Mike.	Braceville
Henry.	Minonk	Pendergast, John.	Centralla
Peter W.	Carlinville	Perrins, George H.	Herrin
William.	Decatur	Peyla, George.	Braidwood
		Picton, T. H.	St. David
Jake.	Springfield	Pierson, Charles.	Harrisburg
A. J.	Herrin	Pierson, Joseph.	Harrisburg
mbrose.	Carlinville	Pierson, Thomas.	Harrisburg
John H.	Cartersville	Phillips, J. M.	Athens
Daniel.	Breese	Pinkerton, John G.	Hanna City
Ollie K.	Norris	Piper, James.	Worden
Frank M.	Canton		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Piper, Oliver G.	Staunton	Rennle, Andrew	Dunfermline
Piper, Joseph	Glen Carbon	Rennle, James	Dunfermline
Pircher, Peter P.	Sandoval	Renter, August	Mt. Olive
Pitra, Frank	Odin	Repplinger, H.	Belleville
Pitt, Sam.	Trenton	Reyabek, Joseph	Glen Carbon
Pitt, Joseph	Trenton	Reynolds, James	Streator
Pittman, Roy	Ledford	Rhodes, Almon R.	Chenoa
Platt, J. A.	Springfield	Rhoades, Ashley	Taylorville
Plenty, George R.	Canton	Rice, C. D.	Harrisburg
Pilimmer, Benjamin	Streator	Rice, William H.	Harrisburg
Plocker, Henry	Pana	Rice, James M.	Sunfield
Pointer, Edward H.	Belleville	Rice, Moses	Murphysboro
Poole, Edward A.	Lake Creek	Richards, John T.	Staunton
Poole, Arthur H.	Murphysboro	Richard, Lee	Moweaqua
Powell, Edwin	Caseyville	Richmond, John E.	Coal City
Powell, F. C.	Seatonville	Riland, Francis F.	Harrisburg
Prescott, G. A.	Centralia	Riley, B. J.	Cantrall
Price, Thomas	Spanning	Riley, Michael	Grape Creek
Price, Daniel D.	Redlich	Ripptoe, J. G.	Colchester
Prickett, Thomas M.	Niantic	Ritchie, John	Trenton
Pritchard, H. C.	Lewistown	Roach, Samuel	Tamara
Pruett, J. M.	Harrisburg	Roberts, Charles	LaSalle
Pugh, Daniel	St. John	Roberts, William	Kangley
Pullen, R. H.	Sorento	Roberts, Edward J.	Kangley
Pulver, R. H.	Centralia	Roberts, Frank L.	Lake Creek
		Roberts, John	Litchfield
Quick, Harry	Oakwood	Roberts, Jonathan	Willisville
Qualls, Nevall	Dubois	Roberts, Erwin	Johnson City
Quick, A. T.	Sato	Roberts, W. P.	Johnson City
Quick, John	Braidwood	Robinson, Charles	Wenona
Quick, A. S. H.	Sato	Robinson, J. A.	Riverton
Quick, Selbert T.	Pinckneyville	Robinson, William A.	Toluca
Quigley, Henry	Hallidayboro	Rockey, Charles	Peoria
Quinn, Joseph	Springfield	Rodgers, Edward	Murphysboro
		Rodgers, George R.	Sunfield
		Rodgers, Finnel	Murphysboro
		Rode, Henry	Sherrard
Raber, F. C.	Troy	Rohe, Herman J.	Alexis
Raber, Louis	Collinsville	Rohour, Michael	Grape Creek
Radford, William T.	Bloomington	Rosan, Ben	Duquoin
Rafter, Michael	Marquette	Rowland, Samuel J.	Divernon
Rafter, James P.	Springfield	Rowland, Sidney G.	Belleville
Raisbeck, John	Braceville	Roy, A. I.	Collinsville
Raker, Truman	Rutland	Royster, Richard	Peoria
Randle, Caleb	Belleville	Rude, Edmund	DeSoto
Randle, William	Freeburg	Ruhlander, E. H.	Mt. Olive
Rasor, J. D.	Staunton	Russell, Zenas	Pana
Rasch, Aug. F.	Trenton	Russell, Guy	Harrisburg
Ratcliff, L. P.	Cartersville	Rutiliff, Isaac	Ashland
Ratcliffe, A.	Sheffield	Ryan, Lawrence	Decatur
Rawson, Grant I.	Belleville	Ryan, William	Athens
Rawlings, Alex N.	Cantrall		
Ray, Hugh	Wanlock	Sadler, George	Murphysboro
Reagan, William	Mt. Olive	Sager, Ed. L.	Trenton
Reatz, Hans	Lincoln	Saidla, J. A.	Cartersville
Reading, Curtis	Niantic	Sallade, George	Chatham
Record, L. A.	Rutland	Sallade, J. E.	Chatham
Reece, John U.	Collinsville	Sampson, Joseph M.	Petersburg
Reed, John	Herrin	Sands, Robert K.	Marissa
Reed, W. J.	Danville	Sangrelet, Charles	Litchfield
Retz, Herman	Lincoln	Savage, Richard	Clarke City
Reeger, John C.	Pinckneyville	Sawyer, V.	Staunton
Reefse, William M.	Roanoke	Sawyers, Joseph	Coal City
Redden, James W.	Dewmaine	Saylor, C. F.	Murphysboro
Reld, Robert	Moweaqua	Schadt, Conrad	Rock Island
Reld, Archibald	Springfield	Schalfer, Fred	Belleville
Reld, Andrew B.	Duquoin	Shannessy, Thomas	Braidwood
Reldinger, Peter M.	Peoria	Scheffer, Julius	Tekin
Reldberger, William J.	Dubois	Schofield, Peter	Coal City
Relly, Henry	Toluca	Schnute, Henry	Breese
Reimann, John	Belleville	Schramm, Charles	Belleville
Remelius, Jacob	O Fallon	Scharinck, Fra	Edwardsville
Rennard, James Ed	Grape Creek	Schmacker, Herman	Glen Carbon
Reichman, George	Trenton		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
ger, J. A.....	Harrisburg	Stanfel, Martin.....	Toluca
ft, L.....	Cartersville	Stanford, J. W.....	Pana
r, Charles.....	Mt. Olive.....	Stanforth, F.....	Wanlock
r, Henry.....	Mt. Olive.....	Stange, Fred.....	Marquette
r, Fred W.....	Staunton	Stanton, William E.....	Colchester
r, John W.....	Murphysboro	St. Clair, James A.....	Macomb
r, Frits.....	Breese	Starnes, Peter.....	W. Frankfort.....
i, Conrad.....	Breese	Stedman, Edgar.....	Missionfield
r, Frits.....	Clinton	Stedman, Robert, Sr.....	Danville
her, Charles.....	Marissa	Steel, E. H.....	Salem
i, Otto.....	Springfield	Steinhelmer, Theodore.....	Lensburg
r, Fred W.....	Gardner	Stephen, C. H.....	Spring Valley.....
r, John.....	Marissa	Stewart, L. A.....	Mt. Vernon.....
ee.....	Farmington	Stewart, Daniel.....	Streator
W.....	Colchester	Stewart, James C.....	Carbon Hill.....
Castling E.....	Braceville	Stewart, Peter.....	Murphysboro
red D.....	Odin	Steigmeyer, E.....	Staunton
John C.....	Cantrall	Stocks, H.....	Cartersville
George A.....	Cantrall	Stoker, A. E.....	Buffalo
Fred.....	Kinmundy	Stone, N. G.....	Marion
William.....	Ormsby	Stone, Frank.....	Lebanon
Charles B.....	Colfax	Stone, Nathan.....	Cartersville
Charles.....	Sandoval	Storm, Edwin.....	Worden
John.....	Colfax	Stull, Roy.....	Chery
James M.....	Girard	Stout, F. M.....	Springfield
A. S.....	Cartersville	Stout, W. E.....	Rutland
ohn H.....	Spring Valley.....	Stowell, G. W.....	Bloomington
Peter.....	Athens	Streik, William.....	Belleville
Walter L.....	New Athens.....	Strader, Clarence.....	Westville
er, S.....	Willisville	Straft, John D.....	Pinckneyville
on, Isaac V.....	Fairmount	Strivey, William.....	Taylorville
s, Harry.....	Herrin	Stroud, William.....	Worden
A. D.....	Lincoln	Struck, Carl.....	Springfield
George A.....	Tilden	Struse, Henry H.....	Athens
Charles.....	Springfield	Stuthard, George B.....	Westville
P. A.....	Kinmundy	Stuart, John.....	Iadd
H. M.....	Gilechrist	Sullivan, S.....	Harrisburg
Ell.....	Belleville	Sturber, Alexander H.....	Danville
Herbert.....	Belleville	Swartz, Fred.....	Toluca
John.....	Belleville		
Levi.....	Belleville		
H.....	Murphysboro	Taylor, James.....	Edwards
Guy S.....	Glen Carbon.....	Taylor, Harry.....	Peoria
Thomas S.....	Carbon Cliff.....	Taylor, Edwin.....	Trenton
Homers.....	Streator	Taylor, Joseph G., Jr.....	Springfield
W. A.....	Gillespie	Taylor, Mack.....	Westville
William I.....	Cartersville	Taylor, William W.....	Tamaroa
Clarence.....	Gilechrist	Taylor, Simeon.....	Bissell
Charles H.....	Seneca	Taylor, A. P.....	Johnston City.....
Edward J.....	Collinsville	Teaters, C. N.....	Taylorville
George W.....	Virginia	Tefft, Ernest.....	Mt. Olive.....
George W.....	St. Louis, Mo.....	Temple, James C.....	Springfield
.....	Danville	Terry, W. F.....	Litchfield
.....	Marselles	Terry, George L.....	Raymond
Robert.....	Collinsville	Thalgott, John.....	Trenton
Firth.....	Murphysboro	Thells, John C.....	Murphysboro
yer, Anton.....	Lincoln	Thexton, Henry.....	Rushville
M.....	Danville	Tohm, R.....	Coal City.....
John.....	O'Fallon	Thomas, Fred.....	Rutland
Richard.....	Catlin	Thomas, Charles.....	DeSoto
James.....	Westville	Thomas, G. E.....	DeSoto
William.....	Georgetown	Thomasberry, Hiram A.....	Duquoin
Arthur.....	Danville	Thompson, Wm. H.....	Ilmrod
Edward.....	Springfield	Thompson, Solomon E.....	Mason
I. B.....	Astoria	Thompson, Fred.....	Westville
Miles.....	Willisville	Thompson, J. H.....	Marion
Emery C.....	Ellisville	Thurston, R. T.....	Mulkytown
I. L.....	Mt. Vernon.....	Tibballs, E. A.....	Marion
Charles.....	Seatonville	Timmons, Irvin F.....	Wwoming
Henry.....	Seatonville	Treedy, Abel.....	Staunton
Eljah.....	Uallidaboro	Titus, C. B.....	Tower Hill.....
Albert.....	Braceville	Tindall, J. L.....	Danville
Elmer.....	Farmington	Tobin, Robert.....	Springfield
I. W.....	Pontiac	Trainer, Arthur E.....	Blue Mound.....

Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Tragbbee, Peter.....	Assumption	Westwood, Thomas E....	Marissa
Travis, Alonzo.....	Pana	Westwood, Edward.....	Birkner
Travis, Wm.....	Birkner	Westwood, F. C.....	Belleville
Tregoning, Chas.....	Cartersville	Weymouth, John.....	Springfield
Tregoning, Geo.....	Cartersville	Wheatley, John W.....	Coal City
Tumblenson, Sinclair....	Centralla	White, Korah.....	Tower Hill.....
Turner, Geo. W.....	Lewistown	White, Henry.....	Riverton
Twombly, Edward.....	Coal Valley.....	White, Perry J.....	Springfield
		White, Robert.....	Lincoln
		White, Booker.....	Catlin
Vandever, Geo. W.....	Centralla	Wickersham, J. R.....	Lake Creek.....
Van Dansen, Leonard A..	Braceville	Widick, Edward C.....	Finley
Van Fleet, L. E.....	Barclay	Wilkins, W. P.....	Springfield
Van Meter, Percy.....	Williamsville	Wilkinson, Louis.....	Pekin
Vallow, P. Oliver.....	Kinmundy	Wilkinson, Eugene.....	Taylorville
Vaughn, John.....	McLean	Williams, Andrew D.....	Sandoval
Valentine, Chas.....	Cable	Williams, Huston.....	Spaulding
Vaughn, Wm. M.....	Edwards	Williams, John.....	Spring Valley.....
Vandveer, Perry E.....	Taylorville	Williams, Llewellyn.....	Mt. Olive.....
Vernon, James.....	LaSalle	Williams, Thomas E.....	St. David.....
Vinecore, Stephen A. D..	Putland	Williams, Watson.....	Virden
Vollentine, Thomas E....	Sorento	Williams, Wm.....	Duquoin
VonBrunn, Max.....	Glen Carbon.....	Williams, Wm. H.....	Sherrard
		Williams, Wm. Hampton..	Murphysboro ..
Wade, Geo. H.....	Johnson City....	Williams, John F.....	Eldorado
Wagner, John B.....	Collinsville	Williams, John R.....	Williamsville ..
Wagoner, Albert H.....	Johnson City....	Williamson, Henry.....	Coal City.....
Waggoner, Wm. F.....	Raymond	Williamson, Wm.....	Coal City.....
Wagmire, James.....	Assumption	Wills, Henry E.....	Harrisburg
Waidrom, Thos.....	Fredonia	Wilson, David.....	Birkner
Walker, James.....	Spaulding	Wilson, H. C.....	Farmington
Walker, John H.....	Mt. Olive.....	Wilson, Wm. H.....	Middle Grove.....
Walker, Joshua.....	Mt. Olive.....	Wilson, James.....	Springfield
Wallace, Henry G.....	East Peoria.....	Wilterwood, William.....	Nokomis
Waller, Wm. F.....	Marion	Windsor, Samuel.....	Norris
Walters, Robert.....	Springfield	Windsor, Robt.....	Norris
Wallford, Noah.....	Hillsboro	Wines, E. R.....	Springfield
Wallock, Chas.....	Braceville	Wohlens, S. Henry.....	Mt. Olive.....
Walsh, James D.....	Auburn	Wolfe, Wm.....	Cartersville
Walton, A. F.....	LaSalle	Wohlford, John.....	Taylorville
Walton, Hugh.....	Norris	Wolschlag, Geo. J.....	Peoria
Walton, Patrick.....	Bureau Junction.	Wood, Daniel A.....	Colfax
Walton, Joseph.....	St. David.....	Woodward, J. R.....	Streator
Wantling, T. J.....	Pottstown	Woolbright, D. A.....	Centralla
Wandless, W. S.....	Collinsville	Woodworth, Peter.....	Pekin
Warner, Richard.....	Troy	Worms, Joseph.....	Birkner
Warner, M.....	Farmington	Wormack, Chas. A.....	Glen Carbon.....
Warner, Andrew.....	Colfax	Wright, Thos. C.....	Belleville
Wassell, Anton.....	Braceville	Wright, Wm. M.....	Pana
Watkins, N. R.....	Springfield	Wrigley, James.....	Collinsville
Watson, Frank.....	Springfield	Yates, John.....	DeSoto
Watson, M.....	Riverton	Yates, Wm.....	Coal City.....
Wattawa, Joseph.....	Belleville	Yehling, Fred H.....	Duquoin
Watts, T. J.....	Elmwood	Young, J. K.....	Girard
Weaver, Roscoe.....	Colchester	Young, James G.....	Gardner
Weaver, Elmer.....	Danfermline	Young, Robert.....	LaSalle
Weaver, Orle.....	Canton	Young, A. O. K.....	Girard
Webb, Albert M.....	Greenview	Young, Peter J.....	Springfield
Wehling, Fred.....	Beddick	Young, W. J.....	Duquoin
Wehber, J. S.....	Rutland	Younghusband, L.....	Coal City.....
Weber, William.....	Murphysboro	Youngquist, Frank.....	Sherrard
Welch, Benjamin.....	Harrisburg		
Wente, Frank.....	Nashville	Zeigler, John.....	Iles Junction.....
Wersen, W. L.....	Springfield	Zerban, W. F.....	Belleville
West, W. H.....	Murphysboro	Ziegler, Fred.....	Edwardsville
West, Oile.....	Herrin	Zink, Louis.....	Belleville
Wesner, Ephraim.....	Streator	Zink, Peter A.....	Belleville
Westwood, Albert.....	Belleville	Zuriker, Lorenz.....	Cable

HOISTING ENGINEERS HOLDING CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Ackerman, Jacob.....	Belleville	Graham, J. A.....	Nilwood
Allen, William H.....	Collinsville	Graham, Reuben.....	Virden
Anthony, John C.....	Belleville	Grattendick, Fred.....	Okawville
Baiwir, John C.....	Braidwood	Greaves, Allen.....	Nashville
Banker, Henry.....	Ridge Prairie	Grey, David F.....	Springfield
Bath, Ameston.....	Cuba	Grierson, John.....	Streator
Beeby, William.....	Springfield	Grimshaw, Joseph.....	LaSalle
Bell, George E.....	Canton	Groom, John.....	Belleville
Benvenuto, Charles.....	Toluca	Haas, Jacob.....	Millstadt
Birkley, N. T.....	Cuba	Hackett, Owen.....	Spaulding
Blue, Jesse.....	Norris	Hagler, Charles.....	Fredonia
Bonick, Andrew.....	Gilchrist	Hall, Geo. H.....	Nilwood
Bowman, George W.....	Yates City.....	Hanson, William.....	O'Fallon
Brown, G. A.....	Iles Junction.....	Harms, Helke.....	Petersburg
Brubeck, J. W.....	Pawnee	Harris, J. T.....	Tamaroa
Brumann, Albert.....	Springfield	Heaver, F.....	Sandoval
		Hickox, Lee.....	Springfield
		Howe, Charles.....	Streator
Campbell, Albert.....	Pottstown		
Campbell, James.....	Coal City.....	Ichman, Frank.....	Spring Valley...
Carlson, Alexander.....	Galva	Isadore, Charles.....	Sparta
Carrington, Eugene.....	Moweaqua	Isadore, George.....	Sparta
Carter, Albert J.....	Pinckneyville		
Chitwood, William.....	Glenburn	Jackson, William.....	Minonk
Clark, Charles M.....	Duquoin	Jacobs, John P.....	Orchard Mines
Cline, John.....	LaSalle	Jacobs, William.....	Murphysboro
Collins, John.....	Birkner	Jamison, John.....	Petersburg
Cook, W. D.....	Westville	Jeffrey, William.....	Gilchrist
Cotton, George.....	Hallidayboro	Johnson, Edgar W.....	Marissa
Cox, John.....	Ledford	Jones, George W.....	Riverton
Craig, Daniel.....	Danville	Jones, T. A.....	Muncie
Crawson, William.....	O'Fallon	Judd, Thomas.....	Cuba
Crinigan, Barney.....	LaSalle		
Crocker, Edward.....	Marquette	Kearney, E.....	Hallidayboro
Cruikshanks, Wm. A.....	Middle Grove	Kelly, Martin.....	Toluca
Cummings, Robert H. L.....	Sparland	Kemper, Christian.....	Belleville
		Kennedy, W. J.....	Edwardsville
Daley, Thomas.....	Diamond	King, Alexander, Jr.....	Carterville
Dauck, John.....	LaSalle	King, John.....	Carterville
Davenport, Thomas.....	New Castle.....	Kirby, Thomas, Jr.....	Peru
Davis, George W.....	Hanna City.....	Klaus, John.....	Galva
Davis, Thomas.....	Swanwick	Klaus, Louis.....	Belleville
Davis, William H.....	Streator		
Davison, J. G.....	St. John.....	Langran, James.....	Fairbury
Dawson, John.....	Streator	Larson, Charles L.....	Galva
Dawson, Thomas.....	Streator	Lathan, William H.....	Hallidayboro
Dawson, V. C.....	Spring Valley.....	Lewis, Jacob H.....	Pottstown
DeBacher, Thomas.....	Elmwood	Lewis, William.....	Wanlock
DeHaas, B. L.....	Tallula	Lippert, Adolph.....	Kewanee
Dietrich, Philip.....	Freeburg	Lloyd, Benjamin.....	Rentchler
Dillon, John.....	Auburn	Love, William.....	Virden
Doe, R. P.....	Glen Carbon	Lundberg, Eric.....	Galva
Dodd, Samuel.....	Pottstown		
		Marshall, Robert.....	Yates City.....
Ebel, August.....	Belleville	Matthews, George.....	Duquoin
Edwards, George W.....	Springfield	Mattern, Daniel.....	Spring Valley.....
Egerton, J. O.....	Colchester	Matthews, C.....	Marion
Eks, Daniel B.....	Springfield	Matthews, Wm. G.....	Bartonville
Essex, George M.....	Soperville	Maurer, Edward.....	Spring Valley.....
Evans, Albert.....	Glen Carbon	Maxwell, Fred.....	Peoria
Everett, Charles.....	Rutland	McClaster, Thomas.....	Muddy Valley.....
		McDonald, William H.....	Pana
Fischer, George.....	Staunton	McLean, John.....	Pleasant Plains.....
Fisher, Patrick.....	Kangley	McMillen, W. M.....	Danville
		McWerthv, G. A.....	Smithboro
Gaudy, James W.....	Peoria	Melvin, T. M.....	Tamaroa
Glasford, Oliver.....	Orchard Mines.....	Milem, John.....	Spring Valley...
Glenam, Philip.....	Williamsville		

Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Miller, William.....	Streator	Rogers, Henry.....	Braidwood
Morrison, Archie.....	Oglesby	Rude, Edmond.....	DeSoto
Mumford, E. A.....	Kewanee		
Murray, James H.....	Galva		
		Sallade, George A.....	Chatham
Neal, Ambrose.....	Barclay	Sanson, T. J.....	Carterville
Nell, John H.....	Bunker Hill.....	Sawyers, Joseph.....	Coal City
Nelson, J. W.....	Sparta	Schmacher, Charles.....	Marissa
Nicholson, George A.....	Cuba	Schramm, Charles.....	Belleville
Nord, John E.....	Galva	Seebach, Joseph.....	Spring Valley.....
		Sexton, LaFayette.....	Dawson
Ogden, David.....	Rentchler	Seymour, A. J.....	Fredonia
Ogden, Samuel.....	Mascoutah	Sheppard, W. C.....	Marquette
Olson, Aug.....	Kangley	Shurm, Fred.....	Gardner
Osborne, Benjamin.....	Streator	Smith, Geo. W.....	Virginia
Ottinger, William.....	Catlin	Sorrells, D. H.....	Ashland
		Sowarby, Miles.....	Willisville
Pankey, John M.....	Equality	Stoker, Edward.....	Bartonville
Peet, Charles.....	Marseilles	Streck, William.....	Belleville
Pendergast, James.....	Soperville	Stroud, William.....	Worden
Phillips, William.....	Hallidayboro	Struck, Carl.....	Springfield
Picton, Joseph.....	Farmington	Stuart, John.....	Oglesby
Picton, Thomas H.....	Farmington		
Piper, Oliver.....	Worden	Tanner, Henry.....	Pinckneyville
Prichard, H. C.....	Lewistown	Taylor, Benjamin.....	Bartonville
Pritchert, T. M.....	Niantic	Taylor, Willard W.....	Tamaroa
		Taft, Ernst.....	Girard
Qualls, Nevel.....	Dubois	Telfer, John K.....	Morris
Quick, A. T.....	Sato	Thome, Martin.....	Martinville
Raber, Louis.....	Caseyville	Wallace, Harry G.....	East Peoria.....
Radford, James W.....	Cuba	Warner, Andrew M.....	Wenona
Radford, W. T.....	Bloomington	Waymire, James.....	Assumption
Rahaur, Michael.....	Pawnee	Wertwood, Edward.....	Birkner
Redyard, John.....	Odin	Wheatley, Rolley.....	Duquoin
Reelse, William M.....	Roanoke	White, Henry.....	Riverton
Reld, A. B., Jr.....	Duquoin	Williams, Huston.....	Spaulding
Rennard, James E.....	Westville	Williams, Stephen P.....	Wyoming
Reum, Charles H.....	Sorento	Williams, Watson.....	Barclay
Rice, B. F.....	Harrisburg	Willis, Harry.....	New Castle
Richmond, Edward B.....	Winchester	Wood, Daniel A.....	Colfax
Rieger, John C.....	Pinckneyville	Woolbright, D. A.....	Centralla
Riley, Michael.....	Westville	Wonnes, Joseph.....	Birkner
Roach, Samuel.....	Tamaroa	Wormack, Charles A.....	Glen Carbon.....
Rogers, George.....	Sunfield		
		Zeigler, John.....	Iles Junction....

E EXAMINERS HOLDING CERTIFICATES OF COMPETENCY.

E—The revised mining law of 1899 changed the title or name "Fire Boss" to that of "Mine Examiner," and provided that those holding certificates as Fire Boss could exchange the same for that of Mine Examiner.

Names followed by the abbreviation "ex." have made such exchange; names followed by "d" are deceased.

Name.	Postoffice.	Name.	Postoffice.
George.....	East Peoria.....	Beecham, William.....	Cardiff.....
Alexander.....	Carterville.....	Beekman, Theodore.....	Glen Carbon.....
William M.....	Centralla.....	Beese, Charles.....	Belleville.....
Charles H.....	Hanna City.....	Beggs, David.....	Fairbury.....
Walter E.....	Zeigler.....	Belch, Thomas.....	Herrin.....
Max.....	Edwards.....	Bell, Arthur.....	Carterville.....
Ben.....	Virden.....	Bell, William.....	Streator.....
Fred.....	Centralla.....	Beltz, F. J.....	Eldorado.....
der, John.....	Cable.....	Bennett, David B.....	Mt. Olive.....
der, David H.....	Pinckneyville.....	Bennett, William.....	Danville.....
er, Joseph.....	Chatham.....	Bergony, Henry.....	Toluca.....
John W.....	Greenview.....	Bernard, Edward.....	Danville.....
on, James.....	Marion.....	Berry, W. C.....	Staunton.....
on, Wm.....	Glen Carbon.....	Bruson, Wm.....	Winchester.....
r, Thomas.....	Oglesby.....	Betson, Robt.....	Farmington.....
r, Thomas.....	Kangley.....	Betson, Richard.....	Farmington.....
ald, George.....	Green Ridge.....	Bettison, William.....	Canton.....
ong, J. J.....	Herrin.....	Bevan, Wm.....	Spring Valley.....
ong, George.....	Riverton.....	Beynon, J. G.....	O'Fallon.....
Joseph.....	Coal City.....	Biehl, Charles.....	Belleville.....
Stephen.....	Oglesby.....	Bigelow, George.....	Spaulding.....
E.....	Salem.....	Blair, Herbert M.....	Centralla.....
J. B.....	Salem.....	Bluefield, Charles.....	Coal City.....
on, John G.....	Cable.....	Blakemore, George.....	Streator.....
William.....	Belleville.....	Blenkinsopp, Thomas, Jr.....	Cable.....
Robert.....	Farmington.....	Blue, J. W.....	Grape Creek.....
John L.....	Mapleton.....	Robell, Louis.....	Mt. Pulaski.....
David.....	Sunfield.....	Booth, Enoch.....	Springfield.....
William.....	Sunfield.....	Borg, Frank.....	Mt. Olive.....
James W.....	Duquoin.....	Bost, Lock.....	Pana.....
Daniel.....	Sparta.....	Boston, John W.....	Tallula.....
Charles.....	Centralla.....	Bouer, Benj. F.....	Herrin.....
Sherrard.....	Gillespie.....	Bowen, Gwilym.....	Herrin.....
Robert.....	Auburn.....	Rowen, Melvin I.....	Blue Mound.....
Samuel G.....	Auburn.....	Bowie, Robert.....	Braldwood.....
Wm. F.....	Murphysboro.....	Bowman, Jacob.....	Salem.....
n, J. F.....	Equality.....	Boyer, John.....	Fairmount.....
John.....	Centralla.....	Bracewell, Warren.....	Danville.....
y, George.....	Greenview.....	Bradley, James L.....	O'Fallon.....
y, Harry.....	Lake Creek.....	Bradley, James.....	Belleville.....
vman, Geo. S.....	Rush.....	Bradock, Joseph H.....	French Valley.....
vman, Wm. T.....	De Soto.....	Breeze, John F.....	Taylorville.....
Joseph.....	Athens.....	Brennan, Parick.....	Toluca.....
er, Fred.....	Herrin.....	Brennan, John E.....	Virden.....
William.....	Dawson.....	Brennan, George.....	Caseville.....
		Brewer, Emery A.....	Mt. Pulaski.....

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Brinley, Wm.	Westville	Cooper, Moses	Athens
Brook, Peter A.	Odin	Corcoran, James	Cartersville
Brook, Isaac	S. Wilmington	Corcoran, Charles	Cartersville
Brooks, Mac	Pleasant Plains	Cordon, Richard	Coulterville
Brown, Ben F.	Bryant	Cosgrove, Bernard	Sparta
Brown, Leslie L.	Peoria	Cosgrove, John	Sparta
Brown, Mathew	Springfield	Costello, Henry (ex)	Pana
Brown, Archebald	Streator	Cowley, William	Duquoin
Brown, John T.	Ledford	Cowley, Peter	Westville
Brooks, Peter (d)	Taylorville	Crane, Roy	Tamaron
Bryan, William	Virden	Crichton, Lawson	Taylorville
Bullough, James	Girard	Crofts, Robert	Cardiff
Bundy, John	Streator	Critchey, Harry	Glen Carbon
Bumgartner, Andrew J.	Barclay	Cross, Thomas	Johnson City
Burgess, Wm. W.	Johnson City	Connaughton, Edward	Relleville
Burke, John	Westville	Cox, E.	Centralla
Burnett, J.	Hallidayboro	Cox, W. E.	Centralla
Burnett, Thomas	Hallidayboro	Cox, Will M.	Edwardsville
Burns, James, Sr.	Springfield	Cumming, J. M.	East Peoria
Burns, Geo.	Danville	Cummins, Ross	Danville
Burns, J.	Spring Valley		
Burns, Wm. S.	Gillespie	Dacy, William	Springfield
Butler, W. H.	Percy	Daenzer, John A.	Glen Carbon
		Bailey, Charles	Springfield
Cadmus, George T.	Lebanon	Dale, John	Streator
Campbell, Robert	Witt	Dallas, Charles	Odin
Campbell, James	Assumption	Davis, John	Kingston Mines
Campbell, Edward	Pekin	Daly, William	Staunton
Campbell, Wm. A.	Seatonville	Dalzell, Andrew	Lanton
Cannon, John	Marquette	Damrath, Frederick	Virden
Caret, Moses	Coal City	Dangerfield, Edward	Herrin
Cappin, Aaron	Wenona	Daniel, John	Belleville
Capstick, Arthur E.	New Baden	Daugherty, Chas.	Spring Valley
Capstick, Wesley W.	New Baden	Daniels, David	Belleville
Carlson, Andrew	Colfax	David, Emmet E.	Astoria
Carr, J. W.	Odin	Davis, George	Springfield
Carr, Wm.	Middletown	Davis, Thomas	Nilwood
Carragher, Thomas	Zeligier	Davis, William	Streator
Carroll, Anthony W.	Gillespie	Davis, William H.	Streator
Carter, James	LaSalle	Davis, Jackson	Athens
Carter, Samuel	Braceville	Davis, William	Streator
Carterell, Claude	Herrin	Davis, John	Taylorville
Carylon, J.	Oglesby	Davis, Wm. J.	Spring Valley
Caso, William	Diamond	Davidson, Frank A.	Sparta
Casey, James	Selbytown	Davidson, Forest W.	Sandoval
Casey, John	Braidwood	Davidson, William D.	Sandoval
Casey, John	Williamsville	Day, Louis B.	Taylorville
Cashen, W. P.	Lincoln	Dayton, J.	Rosnoke
Castillo, Henry	Pana	Dawkins, Wm. E.	Rentchler
Cave, Albert	Streator	Dickey, J. G.	Sparta
Chaderton, John	Lenz Station	Dickinson, Wm. F.	Athens
Chamne, Wm. M.	Coffeen	Diehl, Louis	Belleville
Chamney, James	Wenona	Dills, Harry	Farmington
Charnock, James	Decatur	Dodge, H. N.	East Peoria
Christie, Wm. T.	Herrin	Doeris, Charles	Harrisburg
Cleev, William T.	Ava	Doerr, Emil	Johnson City
Clark, Walter	Lebanon	Doonier, P. J.	Westville
Clark, Robert	Farmington	Donkin, Jonathan, Sr.	LaSalle
Clark, Joseph B.	Hornshy	Downs, Thomas	Westville
Claunch, Marion	Reeves	Dowdell, W.	Danville
Clalland, Wm.	Rutland	Dowell, William C.	Centralla
Craine, J. E., Jr.	Murphysboro	Draper, Orason	Divernon
Cunningham, David	Carlinville	Drake, Jess	Glen Carbon
Champley, James (ex)	Wenona	Dubois, James	Oglesby
Coleman, Mont.	Virden	Duncan, John C.	Murphysboro
Condon, Charles H.	Hanna City	Dunkel, George E.	Pleasant Plains
Connolly, Terrance J.	Assumption	Dusenberry, Walter	Marissa
Coccan, Wm.	East Peoria		
Cook, William	Duquoin	Eadie, John	Sherman
Cook, Frank	Westville	Edmunds, Morgan	Mt. Olive
Cook, Elsie	Wanlock	Edwards, Benj.	Westville
Cook, Thomas	Belleville	Ehlert, William	Mt. Olive
Cook, Thomas	Belleville	Ellison, Charles R.	Pana

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
son, Arthur.....	Cartersville	Green, Wm. H.....	Belleville
Thomas.....	Streator	Green, J. W.....	Springfield
s, Edward R.....	Hallidayboro	Green, Thomas H.....	Springfield
John.....	Sandoval	Greenam, John.....	Coal City
Edward J.....	Pekin	Gregor, Charles.....	Springfield
Wm. A.....	Danville	Grieve, Peter.....	Belleville
Gwilym I.....	Duquoin	Grieve, Robert.....	Collinsville
		Griffin, John B.....	Niantic
		Griffith, Peter.....	Paisley
n, Geo.....	Streator	Griffiths, Evan.....	St. David.....
r, George P.....	Belleville	Griffith, David.....	Centralia
Joseph.....	Streator	Grills, Landon C.....	Duquoin
James.....	Marissa	Groom, Isaac.....	Belleville
l, Walter.....	Barclay	Guthrie, J. C.....	Herrin
John H.....	Springfield	Guthrie, F. T.....	Minonk
ond, Joseph.....	Staunton	Guy, John.....	Streator
James Lewis.....	Murphysboro.....		
Ermund.....	Herrin		
n, Wm.....	So. Wilmington.....	Hackett, Joseph.....	Blue Mound.....
Henry.....	Staunton	Haddow, Thomas.....	Pana
F.....	Staunton	Hardman, J. J.....	Auburn
ham, John E.....	Peoria	Hall, Joseph.....	Auburn
Logan.....	Johnson City.....	Hall, Thomas.....	Auburn
Harry.....	Petersburg	Hall, Albert.....	Herrin
Michael.....	So. Wilmington.....	Halmbacher, Frank.....	Decatur
Edward.....	Duquoin	Harris, William.....	Hallidayboro
Charles.....	Pana	Harrison, James.....	Athens
Wm.....	Willisville	Harrison, John.....	Odin
John.....	Duquoin	Haun, George.....	Litchfield
Wm. H.....	Cartersville	Hamilton, David.....	Assumption
r, Earl.....	Duquoin	Hampton, Harry.....	O'Fallon
Charles.....	Centralia	Handwright, J.....	Virden
John.....	Tilden	Halsfield, Aaron.....	Oglesby
e, Hugh.....	Marissa	Hart, Chas. J.....	Virden
Ralph.....	Marion	Harris, Tom.....	DeSoto
ohn.....	Elmwood	Harrison, Robert.....	Cornell
Anton.....	Freeburg	Harron, Walter.....	Sorento
n, C. J.....	Glen Carbon.....	Haselton, F.....	Springfield
n, C. W.....	Glen Carbon.....	Harvey, C. M.....	Williamsville
Isaac.....	Taylorville	Hatmaker, Sterling.....	Herrin
Alfred.....	Springfield	Hawkins, Sidney.....	Belleville
William.....	Johnson City.....	Hayden, G. S.....	Wenona
		Haydon, Martin.....	Sherman
		Hayes, Webster.....	Glen Carbon.....
n, Frank.....	Harrisburg	Hanson, Charles.....	Danville
th, Patrick.....	Coal City	Hardin, Hiram H.....	Divernon
Martin.....	Assumption	Harvey, Frank.....	Springfield
or, J. M.....	Cartersville	Haskins, Joseph.....	Catlin
Michael.....	Herrin	Hedges, R. A.....	Herrin
cker, William.....	Troy	Hessler, John E.....	Belleville
Joseph.....	Glen Carbon.....	Hillery, T.....	Sherrard
Hamilton A.....	Chatham	Haywood, Joseph.....	Centralia
Albert C.....	Staunton	Hebenstreet, J. A.....	Staunton
in, L.....	Centralia	Hillery, G. M.....	Dunfermline
iv, Honore.....	Westville	Helm, Theodore.....	Staunton
Nick.....	Springfield	Hammersbach, Peter.....	Farmington
e, John.....	Divernon	Henley, J. H.....	Odin
e, James.....	Cantrall	Henley, John, Jr.....	Odin
Lee.....	Duquoin	Henderson, John D.....	Herrin
Fred.....	Pekin	Henderson, Alexander.....	Springfield
Richard.....	Belleville	Henderson, J.....	Spaulding
Michael.....	Gardner	Herbert, Albert W.....	Athens
William.....	Staunton	Heron, George.....	DeSoto
N. F.....	Herrin	Hexter, John.....	Freeburg
Ira.....	Herrin	Herzog, W.....	Glen Carbon.....
obert.....	Streator	Hickman, Lewis H.....	Rissell
ck, Emil.....	Gardner	Hill, Peter H.....	Willshoro
L. A.....	Bloomington	Pickey, John.....	Mt. Olive.....
Albert.....	Virden	Hines, William.....	Putland
Geo.....	Virden	Hippard, W. J.....	Belleville
ch, Fred W.....	Belleville	Hodder, Jacob.....	Norris
Alexander.....	Gillespie	Hood, John.....	Divernon
Henry.....	Athens	Hooper, Geo.....	Winchester
William.....	Streator	Houston, Robert J.....	Lebanon

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Holcomb, Reuben.....	Westville.....	Knies, Harry.....	Breese.....
Holden, Andrew.....	Coal City.....	Koehler, Charles.....	Lincoln.....
Hopkins, Reese.....	Litchfield.....	Kohers, Adam.....	Breese.....
Homer, Fred.....	Sandoval.....	Kalkmann, Gustav.....	Marissa.....
Horning, E. E.....	Harrisburg.....	Kortkamp, Karl.....	Hillsboro.....
Howell, J.....	Cartersville.....	Kortkamp, Lewis.....	Hillsboro.....
Howells, George.....	Stauton.....	Kosesky, Abel.....	LaSalle.....
Hoye, William.....	Braidwood.....	Krallman, Chas.....	Glen Carbon.....
Honbuan, M.....	Herrin.....	Kramer, Frederick.....	Centralla.....
Hughes, John.....	Decatur.....	Kramer, Leo.....	Mt. Olive.....
Hutchinson, Ralph.....	Barclay.....	Kreppert, William.....	Springfield.....
		Krump, Chas.....	Lebanon.....
Idle, Hiram.....		Kuehnel, August.....	Braceville.....
Irrers, Daniel.....	Mt. Olive.....	Kunkle, Edward.....	Middletown.....
Jackson, John.....	Marion.....		
Jacobs, Walter.....	Johnson City.....	Lamar, Frank.....	Worden.....
Jacobs, Geo. A.....	Streator.....	Lamb, George.....	Springfield.....
James, Jonah.....	Grape Creek.....	Lauder, Frank.....	Cartersville.....
James, Walter.....	Divernon.....	Langhorn, Edward.....	Johnston City.....
Jaques, Charles.....	Riverton.....	Larrick, O. O.....	Divernon.....
Jarrell, Edward.....	Harrisburg.....	Lasley, Wm.....	Hallidayboro.....
Jarnalski, Mike.....	Streator.....	Lawson, Arthur.....	Edwardsville.....
Jarrard, John.....	Johnson City.....	Lawson, John.....	Cable.....
Jasper, John.....	Duquoin.....	Lawson, Thomas.....	Lake Creek.....
Jeffries, Thomas B.....	Herrin.....	Leach, John.....	Auburn.....
Jeffrey, John.....	Murphysboro.....	Ledford, L.....	Ledford.....
Jenkins, Richard.....	LaSalle.....	Lettson, Wm.....	Seneca.....
Jenkins, T. C.....	Murphysboro.....	Linton, Quincy M.....	Gillespie.....
Jennins, Wm. M.....	Athens.....	Little, Claud.....	Vandercook.....
Jeremiah, John J.....	Duquoin.....	Little, Wm.....	Herrin.....
Jeten, T. F.....	Roanoke.....	Lehwald, Herman.....	Springfield.....
Johnson, David.....	Oglesby.....	Lloyd, Roland R.....	Barclay.....
Johnson, Samuel.....	Oglesby.....	Loeffler, Anton.....	LaSalle.....
Johnson, James N.....	Cartersville.....	Lofey, Chas.....	Canton.....
Johnson, Nels.....	Johnston City.....	Longshore, Harry A.....	Duquoin.....
Jones, Alex.....	Oglesby.....	Lockhart, James M.....	Sunfield.....
Jones, Thomas H.....	Centralla.....	Lore, William.....	Springfield.....
Jones, Ben J. (ex.).....	Coffeen.....	Lorden, Michael.....	Centralla.....
Jones, John E.....	Palsley.....	Lumaghi, Louis F.....	Collinsville.....
Jones, Thomas.....	Lebanon.....	Lyons, Mark.....	Lincoln.....
Jones, John.....	Duquoin.....		
Jones, Willis.....	Springfield.....	Macke, Jacob F.....	Ledford.....
Jones, Ben J.....	Herrin.....	Maitlang, H. S.....	Nashville.....
Jones, Morgan.....	Coffeen.....	Malcor, Henry.....	Riverton.....
Jones, Robert R.....	Litchfield.....	Malcor, Joseph P.....	Spring Valley.....
Jones, Wm. Hy.....	Oglesby.....	Manees, Charles.....	Centralla.....
Jones, John O.....	Catlin.....	Mann, Jacob.....	Mascoutah.....
Jones, David.....	Braecville.....	Markel, Albert.....	Hillsboro.....
Jones, John.....	Westville.....	Marland, Wm.....	Sparland.....
Jones, Thomas.....	Clark City.....	Markham, John J.....	Taylorville.....
Jones, Thomas.....	Taylorville.....	Mason, Myrick.....	LaSalle.....
Jordan, Robert (d).....	Streator.....	Martin, Samuel.....	Glen Carbon.....
Jordan, Alfred.....	St. David.....	Martin, William.....	LaSalle.....
		Marstelner, J. J.....	Tamaroa.....
Kane, J. M.....	Springfield.....	Maggs, Jacob.....	Danville.....
Kancy, John.....	Centralla.....	Massie, Alfred N.....	Belleville.....
Kaveny, John R.....	Troy.....	Massie, J. G.....	Belleville.....
Keating, John P.....		Matthews, John E.....	Riverton.....
Kenney, Wm.....	Sparland.....	Mee, James.....	Spring Valley.....
Kepper, Wm.....	Peru.....	Mee, Peter J.....	Spring Valley.....
Kerchner, John.....	Belleville.....	Merkel, Benj.....	Sandoval.....
Kidd, Wm.....	Witt.....	Mayne, Thomas.....	Glen Carbon.....
Kidd, S. A.....	Oglesby.....	Maynard, Thomas.....	Wanlock.....
Kimball, Ben.....	Zeigler.....	Meyer, B.....	Stauton.....
Kingsley, G.....	Kingston Mines.....	Meyer, Louis.....	Breese.....
Kingsley, T.....	Kingston Mines.....	Myers, Isaac.....	Harrisburg.....
Killingworth, Chas. H.....	Pineckneville.....	Midyett, Jesse.....	Hallidayboro.....
Kleist, Theodore.....	Mt. Olive.....	Millett, John.....	Collinsville.....
Klein, Andrew.....	Streator.....	Millett, Thomas.....	Troy.....
Klingenfus, Wm.....	Belleville.....	Mitchell, Elijah J.....	Farmington.....
Kloever, Matthew.....	Pana.....	Mitchell, T.....	Duquoin.....
Knapp, Charles.....	Seatonville.....	Mitchinson, John.....	Hanna City.....

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
on, J. L.	Salem	Nation, Henry C.	Glen Carbon
Alexander	Ridge Prairie	Naylor, T. W.	Glen Carbon
C.	Glen Carbon	Neal, Edward O.	Wolcott
John K.	Staunton	Neill, A.	Spaulding
G. W.	Pawnee	Neill, Warren	Danville
W. W.	New Douglas	Neill, F. C.	Gillespie
G. J.	Lincoln	Neimes, William	St. David
E. E.	Centralla	Newton, Walter	Spring Valley
I. Andrew	Johnson City	Nesbit, Charles L.	Frederburg
A. S.	Sparta	Nestler, Wm.	Spring Valley
John	Blue Mound	Neubauer, Julius	Troy
n, T. P.	Springfield	Neylen, Dennis	Selbytown
Charles	Springfield	Nichelson, Geo.	Tower Hill
mery, Wm.	Harrisburg	Nichols, Eli W.	Dunfermline
ft, Thomas	Farmington	Nixon, Robert	Streator
Wm. A.	Springfield	Nordine, John	Bloomington
Thomas	Assumption	Nordner, C. K.	Athens
Daniel S.	Springfield	Noll, Charles	Springfield
o, Peter	Glen Carbon	Noll, Peter	Belleville
W. M.	Herrin	Nordman, Ferdinand	Breese
y, John A.	Clark City	Novak, Peter	Minonk
James P.	Centralla	Nye, C. L.	Decatur
John T.	Harrisburg		
Fred.	LaSalle		
E. T.	Georgetown	O'Brien, Thomas	LaSalle
Joseph	Streator	Oexner, Frank	Belleville
John H.	Wenona	O'Connor, Patrick F.	Paisley
John L.	Johnson City	Odum, Wiley	Harrisburg
n, John J.	Springfield	Onul, John	Germantown
Thomas	Staunton	Olson, John	Danville
hos, Jr.	Livingston	Olooyd, Peter W.	Springfield
ich, J.	Staunton	Opp, Sherman W.	Canton
Joseph	Belleville	Ormiston, John	Harrisburg
en, Peter	Bissel	Owens, Evan	Auburn
os	Worden		
an, Joseph	Springfield		
r, James	Munice	Parker, Joseph	Carbon Hill
Andrew	Springfield	Parker, Will C.	Harrisburg
John	Braidwood	Patton, George A.	Sandoval
Michael	Pana	Payne, Perry	Litchfield
Wm.	Westville	Payne, Emanuel	Litchfield
n, Joe	Pana	Pearson, George	Glen Carbon
Maurice R.	Odin	Peart, John	Braidwood
or, James	Girard	Peart, Jno., Jr.	So. Wilmington
ile, David	Oglesby	Peck, William	LaSalle
s, David	Edwardsville	Percy, Robert	Tilden
ld, Wm.	Braidwood	Pelecke, Wm.	Pekin
ld, Adam S.	Dalzel	Petrie, Geo. L.	Collinsville
ld, Archibald	Westville	Peters, Benjamin	Streator
James	Assumption	Pettigrew, A.	Roanoke
a, Charles	Carbon Hill	Pettigrew, J.	Roanoke
len, Wm.	Danville	Pettigrew, Robert	Roanoke
op, Donald	Carbon Hill	Petty, John	Herrin
lan, Alexander	Springfield	Phelan, Augusta J.	Lincoln
lan, John	Springfield	Phelps, George	Herrin
ity, John	Springfield	Phillips, Benjamin	Kangley
ie, Alex. C.	Canton	Pick, Edward	Central City
ie, Hugh (d)	Springfield	Pickett, J. W.	Spring Valley
ey, Albert	Springfield	Pickering, John L.	Harrisburg
hlin, John P.	Auburn	Pickon, Felix	Danville
hlin, Patrick	Chatham	Pickton, John L.	Farmington
e, George	Mascoutah	Pickus, August	Decatur
John	Springfield	Pierard, Edward	Coal City
hlin, Wm.	Duquoin	Pinson, Samuel	Coffee
Wm. F.	Ilca Junction	Frankie, A. H.	Pana
aman, John	Westville	Plumber, Arthur	Duquoin
aman, Edward	Westville	Preval, Fred	Springfield
Roderick	Belleville	Price, Fred W.	Edinburg
r, Arthur	Wenona	Petrie, Joseph	Belleville
G. R.	Sorento	Poole, Robert H.	Belleville
n, Robert	Sunfield		

Mine Examiners, Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
James.....	Canton.....	Warfrington, Frank.....	Divernon.....
m.....	Sherrard.....	Waugh, Robert.....	Herrin.....
n, Wm. C.....	Belleville.....	Watson, Thomas.....	Central City.....
Joseph.....	Glen Carbon.....	Watson, John A.....	Cartersville.....
J.....	Kewanee.....	Watson, John.....	Worden.....
, Wm. H.....	Harrisburg.....	Watson, James R.....	Cartersville.....
, Clarence S.....	Harrisburg.....	Watt, William.....	Petersburg.....
		Wendler, Adelbert.....	Glen Carbon.....
Henry H.....	Central City.....	Westwood, F. T.....	Belleville.....
E. E.....	Hillsboro.....	Westwood, Joseph E.....	Staunton.....
on, Wm. H.....	Cartersville.....	Whalen, Michael.....	Greenridge.....
on, Wm. C.....	Cartersville.....	White, Louis.....	Spring Valley.....
James.....	Litchfield.....	White, John.....	Pana.....
l, Ira.....	Herrin.....	White, William H.....	Riverton.....
ohn.....	Coal City.....	Whitecamper, Louis.....	Lincoln.....
John E.....	Spring Valley.....	Whitehead, Edward.....	Farmington.....
D. J.....	Riverton.....	Wilkinson, George R.....	Bissell.....
W. J.....	Spring Valley.....	Wetherell, James.....	Ladd.....
Wm. J.....	Divernon.....	Wigham, William G.....	Sparta.....
n, Wm.....	Mt. Olive.....	Willard, Charles S.....	Glen Carbon.....
Joseph, Sr.....	Trenton.....	Williams, C. C.....	Oglesby.....
David Z.....	Hanna City.....	Williams, John.....	Belleville.....
David S.....	Hanna City.....	Williams, James.....	Livingston.....
David.....	Canton.....	Williams, T. J.....	Cardiff.....
Henry.....	Centralla.....	Williams, Anthony.....	Centralla.....
eo.....	Belleville.....	Williams, William H.....	Edinburg.....
William L.....	O'Fallon.....	Williams, William F.....	Pekin.....
ns, Frank.....	St. David.....	Williams, E. A.....	Cartersville.....
Fred.....	Glen Carbon.....	Williamson, Jacob H.....	Bissell.....
Wm.....	Zeigler.....	Williamson, Jacob.....	Bissell.....
Martin.....	Beneld.....	Wilson, Henry, ex.....	Pana.....
eo, H.....	Cuba.....	Wilson, J. M.....	Springfield.....
Joseph.....	Johnson City.....	Wison, Edwin.....	Belleville.....
ng, Walter.....	Cartersville.....	Williams, William B.....	Streator.....
Daniel.....	Thayer.....	Williams, Thomas.....	Kinmundy.....
		Wilson, Henry.....	Pana.....
ie, Luke.....	Willisville.....	Winterbottom, John.....	Sparta.....
		Winterbottom, J. G.....	Sparta.....
		Winning, W. W.....	Cartersville.....
		Wonderlick, John.....	Marissa.....
Edward.....	Glen Carbon.....	Wood, William.....	Streator.....
Ellis.....	Kinmundy.....	Wood, Henry.....	Troy.....
man, Norman.....	Peoria.....	Woodson, William R.....	Springfield.....
, John.....	Lincoln.....	Worthington, Hilliard.....	Hallidayboro.....
ries.....	Litchfield.....	Wright, Ed. J.....	Reeves.....
		Wright, David.....	Carlinville.....
Walter.....	Spring Valley.....	Wright, Robert E.....	Equality.....
Charles.....	Oglesby.....	Wright, William C.....	Centralla.....
James.....	Marion.....	Wright, Thomas.....	Belleville.....
avid E.....	Divernon.....		
E.....	Divernon.....	Yakcop, George.....	Streator.....
John.....	Cartersville.....	Yemm, William.....	Gillespie.....
ohn G.....	Streator.....	Young, Sidney J.....	Canton.....
obert, ex.....	Streator.....		
Wilson.....	Palsley.....	Zager, William.....	Lansburg.....
John.....	Marion.....	Zink, P. J.....	Belleville.....

MINE EXAMINERS, CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Stephen.....	Kangley.....	Berg, Frank.....	Mt. Olive.....
		Boulton, Henry.....	Coal City.....
, George W.....	Virden.....	Bough, William.....	Dawson.....
a, George.....	Streator.....	Braun, Peter.....	Taylorville.....
		Brown, John.....	Streator.....

Mine Examiners, Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Caveny, Edward.....	Pana	Moffett, Edward A.	Bartonville
		Montgomery, John H.	Gardner
Davis, Thomas.....	Nilwood	Mooney, Arthur.....	Kangley
		McDonald, M. E.....	LaSalle
Frenzen, Mat.....	Girard	Ross, S. H.....	Girard
Gray, William.....	Streator	Schmidt, Ernest.....	Mt. Olive
Griffin, John.....	Niantic	Schultz, John	Diamond
		Shaw, Francis M.....	Hallidayboro
Hall, John Herbert....	Minonk	Shopman, John.....	Mt. Olive
Hoesfield, Aaron.....	Oglesby	Siebenbawer, Wm.....	LaSalle
Hornanor, Paul.....	Lincoln	Sloufskie, Herman.....	Decatur
Hughes, John.....	Decatur	Stewart, Samuel.....	Coal City
Humphreys, William....	Clark City		
Jenkins, Rutland.....	LaSalle	Taylor, Samuel.....	O'Fallon
		Thomas, David.....	Canton
Kneper, David.....	Girard	Ward, Robert.....	Streator
Kopps, August.....	Girard	Wilson, Archie.....	Clarke City.....
Kortcamp, Carl.....	Hillsboro	Wilson, John.....	Gardner
Kortcamp, Lewis.....	Hillsboro	Wood, Henry.....	Streator
Lewis, Edward.....	Ladd		

EIGHTH ANNUAL REPORT

OF THE

Bureau of Labor Statistics

OF THE

Illinois Free Employment Offices

FOR THE

YEAR ENDED OCTOBER 1, 1906.

[Established August 2, 1899.]

DAVID ROSS, Secretary, Springfield.



SPRINGFIELD, ILLINOIS
PHILLIPS BROS., STATE PRINTERS.

1907

EIGHTH ANNUAL REPORT OF THE ILLINOIS FREE EMPLOYMENT OFFICES, 1906.

[Established August 2, 1899.]

This is the eighth annual report of the free employment offices of the State, and presents the work of these offices for the year ending September 30, 1906. There are four of these offices maintained by the State; three in Chicago and one in Peoria. The Chicago offices were established in August, 1899; the Peoria office in July, 1901. The work of these offices for the past year has increased over that of any previous year. The number of persons registering for employment during the past year was 57,489; for the year previous the number was 45,323; this shows a gain of 12,166 or 26.84 per cent. The number of positions secured was 53,617; the year previous the number was 39,598, showing a gain for this year of 14,019 or 35.4 per cent. While this marked increase appears for those seeking employment there has been a greater increase in the demand from employers for help, for the past year 60,908 employers made application for help; for the previous year the number was 44,577, showing an increase of 16,331 or 36.64 per cent.

These numbers of course represent only the persons whose names are enrolled on the books, while in addition, there are perhaps many times the number who call at these offices and ask numerous questions. So it will be evident that the persons in charge of these offices are kept busy during all of the office hours of each day.

Some criticisms have been made in different quarters that persons applying for employment at these offices are not of the skilled class of workers, but are merely common laborers. Such criticisms are unjust and wholly erroneous, as may be seen by an examination of the classifications of occupations shown in these reports.

It is found and shown in table 16 that of the males registered during the year for positions such occupations classed as clerical, commercial, professional, trades and transportations, 6,372 were secured positions; last year in the same occupations 3,535 obtained positions. For females in the same occupations, excepting transportation, positions were secured during this year for 720, last year the number was 580. Considering both sexes the total number was 7,092 who were secured positions in occupations demanding more or less trained ability.

My experience in this line shows that some men seeking release will write letters promising to do all that is good, and are willing to work at anything. The fact is, that after securing their release, they do everything that is bad, and are very hard to satisfy with work.

"You can readily see that no person wants to employ anyone, unless they will work and do what is right. More is expected of a man on parole than of others. He is watched closer and justly so. Therefore it is quite an effort to find place after place for such persons. They come to us strangers, and invariably without home or friends, except the State. It is impossible, in every case, to procure a home or even a position for them. We must see the man, what his physical condition is and his apparent ability to do this or that kind of work. His disposition shows itself almost upon our first conversation. Then the question comes, who should be asked to employ this fellow, and where is he to room and board. Few employers give board.

"The prisoners from Pontiac have only \$5.00 and one suit of clothes, which, if he is to work in it, will soon be so that he is ashamed to appear in any house of worship. If his desire to do so is thus prevented, it is perhaps the beginning of a new acquaintance with evil. How many working clothes can he buy with \$5.00, and pay board until his first pay day, which in some cases is a month, and nearly always two weeks? Will they be trusted for this with their record? In many cases they are only capable of filling the most menial positions. Consequently it takes a long time before they can get a good supply of clothing, and established in a good home, unless fortunate enough to secure a place where room and board is given with the work.

"A bond of sympathy exists between ex-convicts and it is hard to keep them apart. They help each other, but people who know them are suspicious. The gathering of two or three of them sometimes causes their arrest on suspicion; their absence from work and their discharge follows, which creates a fear of being returned for violation, and they run away. Some steal from their fellow employes, who expect to reimburse them, which can not be done. Others are arrested for violations, which cause a fine, which if not paid, means a short time in jail or the house of correction. To return a man for such an offense would be more of a crime than the one committed by him, even if it may be a technical violation of his parole agreement. Others are tormented by those whom they may have owed some money. This sometimes causes the loss of their positions. Some become sick, and others are sued for divorce. In some cases, a convict's punishment is harder on parole than when confined in the penitentiary. He signs an agreement, the conditions of which, any of us would find hard to perform. When we consider the temptations which confront them in a city like this, I am surprised that so many of them manage to get a final discharge.

"There are some of course who object to our method of parole, but I must say that on the whole, giving it my personal attention, there are many men on parole through this office, who sincerely appreciate what the State is doing for them, and in return are leading exemplary lives. I believe it is the duty of every state who releases prisoners on parole to help them all that is possible. It is easy to be a hard task-master, and quite a hard punishment for a person to live with such for one year. This often causes violations which do not occur by our methods.

"When confinement following conviction is for reformation, rather than cruel treatment, I say everyone released on parole or by final discharge, should be given a working suit of clothes, shoes and underwear, in addition to what they get now. Also the means of getting board for at least two weeks, and this should apply to a second release on parole as well as the first. Their work while confined should be used to make such provisions.

"Some will violate, no matter how well we treat them, but the majority should not suffer on their account. I have had six returned for violations; have attended to all cases in court myself, heard the evidence, and considered it just to cause their return, because their actions are very detrimental to those who will do right.

"An employer who sees that we look after these fellows will still give others a chance, when if no heed was given their conduct, our ability to find work for this class would soon terminate.

"I have given you so much detail, because of the agitation for and against the indeterminate sentence act. I am of the opinion that the work thus instituted by Governor Deneen has been a success, but would be more successful when someone can be provided to visit the places of employment and discover whether the statements made in the parole reports are correct.

"Considerable of this is now done by the police, who do it conscientiously. But the very fact that a police officer is looking for information about one's employes, causes somewhat of a skepticism, which tends to injure the chances of the employe to retain his position. Inquiries made by others than the police do not cause the same fear."

The following is a summary of the work accomplished by the four State free employment offices for the year ended September 30, 1906:

TABLE I—*Showing the Combined Business of the Four Offices for the Year Ended Oct. 1, 1906.*

OFFICES. (Three in Chicago, one in Peoria.)	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
	Number filed.	Number positions secured.	Number unfiled.	Number filed.	Number unfiled.
North Side Office—Males.....	6,225	6,013	212	6,358	345
North Side Office—Females.....	4,396	4,286	100	5,725	1,439
Both sexes.....	10,611	*10,299	312	12,083	1,784
South Side Office—Males.....	12,805	11,535	770	13,313	1,778
South Side Office—Females.....	4,402	4,323	79	6,231	1,908
Both sexes.....	16,707	†15,858	849	19,544	3,686
West Side Office—Males.....	15,372	14,074	1,298	14,237	163
West Side Office—Females.....	3,797	3,102	695	4,094	992
Both sexes.....	19,169	17,176	1,993	18,331	1,155
Peoria Office—Males.....	8,121	7,798	323	8,169	371
Peoria Office—Females.....	2,881	2,486	395	2,781	236
Both sexes.....	11,002	†10,284	718	10,950	606
Total Males—Four offices.....	42,023	39,420	2,603	42,077	2,657
Total Females—Four offices.....	15,466	14,197	1,269	18,831	4,634
Both sexes.....	57,489	§53,617	3,872	60,908	7,291

* Of this number 291 males and 109 females, a total of 400 were secured positions on applications filed last year.

† Of this number 681 females were secured positions on applications filed last year.

‡ Of this number 73 males and 29 females, a total of 102 were secured positions on applications filed last year.

§ Of this number 364 males and 819 females, a total of 1,183 were secured positions on applications filed last year.

The efficiency of these agents of the State, in securing positions and thereby assisting people of all classes in obtaining employment, can be better illustrated by showing the increased results of each office for this year over that of last year.

The three offices in Chicago, combined, secured for applicants 32.23 per cent more positions this year than last; the north side office increased 28.34 per cent, the south side office 24.82 per cent, the west side office 34.35 per cent, the Peoria office 50.56 per cent. This increase is indeed very gratifying and shows an increasing demand from employers calling for all classes of help, also a like increase in the number of employes who are securing positions, both employer and employe being served in this respect without cost to either party.

A better reading of the numbers shown in table I is presented by percentages in the following table:

TABLE 2—*Percentages of Applicants for Employment and for Help and Positions Secured by Each of the Four Offices for the Year.*

OFFICES.	PERCENTAGES OF—					
	APPLICATIONS FOR EMPLOYMENT.		APPLICATIONS FOR HELP.		POSITIONS SECURED.	
	Males.	Females.	Males.	Females.	Males.	Females.
North Side Office.....	58.67	41.33	52.62	47.38	58.38	41.62
South Side Office.....	73.65	26.35	68.12	31.88	72.74	27.26
West Side Office.....	80.19	19.81	77.67	22.33	81.94	18.06
Peoria Office.....	73.81	26.19	74.60	25.40	75.83	24.17
The four offices.....	73.10	26.90	69.08	30.92	73.52	26.48

Of the applications of those registering and desirous of securing employment 73.10 per cent were males and 26.9 per cent females. Of the number of employers seeking help 69.08 per cent wanted males and 30.92 per cent females. The last two columns of the table show the work of each of the four offices in placing applicants for employment in positions for work. The west side office shows that 81.94 per cent of the positions secured were for males, the Peoria office 75.83 per cent; the south side office 72.74 per cent and the north side office 58.38 per cent.

For positions secured for female applicants for employment, the north side office shows 41.62 per cent, being a much larger proportion than either of the other offices; the West Side office gives the lowest per cent. For all the offices the proportion of positions secured was for males, 73.52 per cent; for females, 26.48 per cent.

Considering the applications of those registering for employment, and the employers calling for all kinds of help, the following table

of percentages shows the proportion of positions secured applicants for employment, and the same for help furnished to employers:

TABLE 3—*Percentages of Positions Secured and Percentages of Help Furnished, both Male and Female.*

OFFICES.	PERCENTAGES OF POSITIONS SECURED APPLICANTS FOR EMPLOYMENT.			PERCENTAGES OF APPLICATIONS FOR HELP FURNISHED.		
	Males.	Females.	Both sexes.	Males.	Females.	Both sexes.
North Side Office	96.59	97.72	97.06	94.57	74.87	85.24
South Side Office	93.74	98.20	94.92	86.64	69.38	81.14
West Side Office	91.56	81.70	89.60	98.86	75.77	93.70
Peoria Office	96.02	86.29	93.47	95.46	89.39	93.92
The four offices	93.81	91.79	93.26	93.69	75.89	88.03

Of the 42,023 male applicants for employment 93.81 per cent were sent to positions; this work of the different offices ranges from 91.56 per cent at the West Side office to 96.59 per cent at the North Side office. For females: of the 15,466 applicants 91.79 per cent were placed in positions; as to the accomplishment by the different offices the range was from 81.70 per cent at the West Side office, to 98.21 per cent at the South Side. For both sexes 93.26 per cent were secured positions.

Observing the columns of percentages of help furnished to the employers, it will be seen that the range of services of the different offices for males was from 86.64 per cent at the South Side office to 98.86 per cent at the West Side; for the four offices 93.69 per cent of the employers applying were furnished help. In this respect for females the percentages range much lower; however, a very satisfactory showing; the lowest per cent in Chicago being 69.38 at the South Side, to 75.77 per cent at the West Side, while the Peoria office shows 89.39 per cent. For both sexes the range in furnishing help was from 81.14 per cent at the South Side to 93.92 per cent at the Peoria office, and for all of the offices 88.03 per cent.

RECORD FOR SEVEN YEARS.

For the purpose of showing the results attained by all of the offices since their establishment, seven complete years, two tables are presented. The first table is as follows:

TABLE 4—*Classified Occupations of Males with Percentages for Seven Years.*

CLASSES OF OCCUPATIONS.	Number of occupations in each class	NUMBER OF APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF POSITIONS SECURED FOR—	
		Employment.	Help.		Applicants for employment.	Applicants for help.
Totals—seven years.....		193,219	184,285	167,543	86.71	90.92
NOT CLASSIFIED, 1906.....	364					
NOT CLASSIFIED PREV'S YEAR'S 4,965				5,329		
AGRICULTURAL.....		9,043	9,406	8,057	89.10	85.65
1900.....	5	962	1,008	919	95.53	91.17
1901.....	5	737	841	686	94.36	81.57
1902.....	6	1,396	1,469	1,210	86.68	82.37
1903.....	6	1,152	1,266	1,009	87.59	79.70
1904.....	7	1,330	1,338	1,124	84.51	84.01
1905.....	8	1,738	1,707	1,511	86.94	88.52
1906.....	7	1,738	1,777	1,598	91.94	89.93
CLERICAL.....		3,539	1,351	1,301	36.76	96.30
1900.....	7	320	43	39	12.19	90.70
1901.....	7	160	21	17	10.63	80.95
1902.....	11	608	194	188	30.92	96.91
1903.....	13	430	123	111	25.81	90.24
1904.....	13	618	191	188	30.42	98.43
1905.....	12	651	296	290	44.55	97.97
1906.....	9	752	483	408	62.23	96.89
COMMERCIAL.....		6,298	4,290	3,393	53.87	79.09
1900.....	22	1,922	808	509	26.48	63.00
1901.....	22	802	346	276	34.41	79.77
1902.....	17	1,218	960	826	67.82	86.04
1903.....	14	607	556	425	70.02	76.43
1904.....	14	482	381	305	63.28	80.05
1905.....	13	647	628	500	77.28	79.62
1906.....	13	620	611	552	89.03	90.34
DOMESTIC SERVICE.....		27,057	24,157	22,933	84.75	94.93
1900.....	12	4,242	3,335	3,193	75.27	95.74
1901.....	12	2,103	1,927	1,697	80.69	88.06
1902.....	11	4,100	3,796	3,539	86.31	93.23
1903.....	11	4,554	4,287	3,972	87.22	92.65
1904.....	10	3,108	2,630	2,565	82.53	97.53
1905.....	10	3,738	3,299	3,206	85.77	97.18
1906.....	11	5,213	4,883	4,761	91.33	97.50
MANUAL LABOR.....		86,503	95,676	83,906	97.00	87.70
1900.....	3	5,708	7,326	5,607	98.23	76.54
1901.....	4	6,172	7,688	5,905	95.67	76.81
1902.....	3	13,840	15,915	13,230	95.69	83.13
1903.....	3	13,548	15,057	13,111	96.77	87.08
1904.....	4	10,497	11,450	10,106	96.27	98.26
1905.....	3	16,243	16,666	15,722	96.79	94.34
1906.....	4	20,495	21,574	20,225	98.68	93.74

Table 4—Concluded.

CLASSES OF OCCUPATION.	Number of occupations in each class	NUMBER OF APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF POSITIONS SECURED FOR—	
		Employment.	Help.		Applicants for employment.	Applicants for help.
PROFESSIONAL.....	.....	238	137	126	52.94	91.97
1900.....	14	61	18	16	26.23	88.89
1901.....	9	39	21	19	48.72	90.48
1902.....	4	23	16	15	65.22	83.75
1903.....	5	31	14	14	45.16	100.00
1904.....	5	22	11	11	50.00	100.00
1905.....	4	13	9	8	61.54	88.89
1906.....	6	49	48	43	87.76	89.58
TRADES.....	.....	17,661	12,408	9,930	56.23	80.03
1900.....	82	2,974	1,262	1,042	35.04	82.57
1901.....	88	1,645	1,093	812	49.36	74.98
1902.....	70	2,080	1,932	1,618	60.83	81.63
1903.....	70	2,362	2,027	1,555	65.83	76.71
1904.....	66	1,959	1,016	819	41.81	80.61
1905.....	73	2,698	1,760	1,489	55.50	84.60
1906.....	70	3,378	3,278	2,595	76.82	79.16
TRANSPORTATION.....	.....	14,532	12,776	11,544	79.44	90.36
1900.....	17	2,232	1,579	1,433	64.20	90.75
1901.....	14	1,354	1,260	961	72.45	77.66
1902.....	11	2,726	2,570	2,230	81.80	86.77
1903.....	13	2,062	2,050	1,782	86.18	86.92
1904.....	11	1,561	1,242	1,156	74.06	93.06
1905.....	12	1,576	1,260	1,248	79.18	99.06
1906.....	10	2,991	2,815	2,714	90.74	96.41
MISCELLANEOUS.....	.....	28,347	24,084	21,024	74.17	87.29
1900.....	28	2,721	1,371	1,277	46.93	93.14
1901.....	37	1,645	1,107	899	54.65	81.21
1902.....	33	3,586	3,340	2,543	70.91	76.14
1903.....	38	4,638	4,566	3,695	79.67	80.32
1904.....	31	4,186	3,366	3,039	72.60	90.29
1905.....	45	4,784	3,728	3,471	72.56	93.16
1906.....	53	6,787	6,608	6,100	89.88	92.31

The foregoing does not contain the work of the Chicago offices operated for the fractional part of the year 1899, nor for that of the Peoria office for three months in the year 1901.

Reading the first line of the totals of the table it is found that 193,219 males have registered during the seven years as applicants for employment, and that during the same period 184,285 employers registered as wanting help, while 167,543 of those wanting employment were placed in positions. The two last columns give for the seven years and for each class, the percentages of the applicants for employment who have been placed in positions, and of the employers who have secured help. From the totals given it is shown that 86.71 per cent secured positions and 90.92 per cent of the employers obtained help.

Among the classes of occupations here shown that of clerical service shows the lowest percentage of applicants securing employment, yet the highest percentage of help furnished to employers.

Attention is called to the large percentages of positions secured, during the series of years, to the numbers who have been classed under the occupations as agricultural, comprising farm hands, gardeners, harvest hands, stock men, etc. Domestic service, such as cooks, housemen, porters, etc., and manual labor, which includes laborers of all kinds, also railroad laborers; these three classes represent 63.5 per cent of the total number seeking work, 93.7 per cent of whom were given employment. A similar presentation is made for females, and shown in five separate classes and a miscellaneous class:

TABLE 5—*Classified Occupations of Females, with Percentages—for Seven Years.*

CLASSES OF OCCUPATIONS.	Number of occupations in each class.	NUMBER OF APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF POSITIONS SECURED FOR—	
		Employment.	Help.		Applicants for employment.	Applicants for help.
Totals, seven years .....	.....	97,742	115,041	70,778	92.88	78.91
Not classified, 1906	819			3,304		
Not classified, previous year. 2,495						
CLERICAL .....	.....	1,885	727	586	31.09	80.31
1900	5	188	62	59	31.38	95.16
1901	4	145	36	34	23.45	94.44
1902	4	347	121	83	26.90	76.86
1903	3	302	100	82	27.15	82.00
1904	3	363	120	115	31.68	95.83
1905	3	274	110	98	35.77	89.09
1906	3	266	178	105	39.47	58.99
COMMERCIAL .....	.....	1,479	1,347	795	53.75	59.02
1900	9	282	137	106	37.59	77.37
1901	9	120	111	44	36.67	39.64
1902	9	219	310	103	47.03	33.23
1903	13	181	158	96	53.04	60.76
1904	12	157	131	72	45.86	54.96
1905	9	222	225	155	69.82	68.89
1906	13	293	275	219	73.49	79.64
DOMESTIC SERVICE .....	.....	86,174	102,269	79,345	92.06	77.58
1900	17	14,388	17,321	13,983	97.19	80.73
1901	20	9,730	11,408	8,981	92.30	78.73
1902	19	12,867	14,919	11,864	92.28	79.52
1903	23	12,433	15,746	11,461	92.18	72.78
1904	21	12,001	13,278	11,037	91.96	83.12
1905	19	11,490	13,238	10,391	90.51	78.17
1906	22	13,235	16,297	11,628	87.53	71.36

Table 5—Concluded.

CLASSES OF OCCUPATIONS.	Number of occu- pations in each class.	NUMBER OF APPLICATIONS FOR—		Number of positions se- cured.	PERCENTAGES OF POSITIONS SECURED FOR—	
		Employ- ment.	Help.		Appli- cants for employ- ment.	Appli- cants for help.
PERSONAL SERVICE		125	67	49	39.20	73.12
1900	3	25	1	1	4.00	100.00
1901	3	21	9	7	33.33	77.78
1902	3	16	9	8	50.00	88.89
1903	4	18	14	9	50.00	64.29
1904	4	21	13	12	57.14	92.31
1905	3	10	4	3	3.00	75.00
1906	3	14	17	9	64.29	52.94
PROFESSIONAL		1,763	1,722	1,336	75.78	77.59
1900	5	391	337	296	73.14	84.97
1901	2	245	240	199	76.73	78.33
1902	3	255	262	200	78.43	76.34
1903	3	187	209	147	78.61	70.33
1904	3	254	220	190	70.87	81.82
1905	3	215	224	174	80.93	77.69
1906	2	216	230	161	74.54	70.00
TRADES		1,064	1,399	834	78.39	59.61
1900	8	144	210	116	80.56	55.24
1901	7	93	115	62	66.67	53.91
1902	4	138	190	96	69.54	50.00
1903	5	119	149	73	61.34	48.99
1904	2	116	168	100	86.21	59.52
1905	5	194	250	153	78.87	61.20
1906	5	260	317	235	90.38	74.13
MISCELLANEOUS		5,252	7,607	4,529	86.23	59.54
1900	7	389	725	346	88.96	47.72
1901	7	296	409	251	84.80	61.37
1902	12	911	1,444	749	82.22	51.87
1903	4	866	1,237	751	87.73	60.71
1904	9	818	1,155	690	83.13	58.87
1905	12	865	1,120	731	85.50	65.27
1906	16	1,127	1,517	1,021	90.59	67.30

The total number of female applicants for employment for the seven years was 97,742; employers, 115,041; positions secured, 90,778. Of the applicants for employment 92.88 per cent secured places, filling 78.91 per cent of help wanted. The class shown as domestic service which embraces 20 or more different occupations, represents 88.2 per cent of all the applications for employment; 92.1 per cent secured places, which filled 77.59 per cent of those seeking help.

The total of both sexes for the seven years, was 290,691 applicants for employment and 299,326 for help; while 258,321 were placed in positions. Of the whole number of applicants for employment 88.78 per cent secured positions, thus furnishing 86.31 per cent of the applications for help.

The table just considered, regarding applications for employment has been summarized to show the total for each year, both sexes, and is presented in Table 6, which follows:

TABLE 6—*Number of Applications for Employment and Positions Secured, for Seven Years.*

YEAR.	APPLICATIONS FOR EMPLOYMENT.					
	NUMBER FILED.			NUMBER OF POSITIONS SECURED.		
	Males.	Females.	Both sexes.	Males.	Females.	Both sexes.
1900—3 offices.....	21,142	15,807	36,949	15,322	15,896	31,218
1901—3 offices.....	14,647	10,650	25,297	12,748	10,018	22,766
1902—4 offices.....	30,157	14,743	44,900	26,661	13,520	40,181
1903—4 offices.....	29,414	14,096	43,510	26,335	12,892	39,227
1904—4 offices.....	23,763	13,730	37,493	19,405	12,319	31,724
1905—4 offices.....	32,073	13,250	45,323	27,652	11,946	39,598
1906—4 offices.....	42,023	15,466	57,489	39,420	14,197	53,617
Totals—7 years.....	*193,219	†97,742	290,961	167,543	90,788	258,331
1899—3 offices, 9 weeks.....	9,825	3,272	13,097	3,752	2,745	6,497
1901—Peoria office, 3 months.....	1,677	631	2,308	877	353	1,230
Totals.....	11,502	3,903	15,405	4,629	3,098	7,727
Grand totals.....	204,721	101,645	306,366	172,172	93,886	266,058

* Includes 4,042 filed in previous years, 1901-1906.

† Includes 2,651 filed in previous years, 1901-1906.

Considered by years it will be seen that the applications of males for employment has increased more than 30 per cent over last year, and nearly 100 per cent over the year 1900. The increase in the number of females, in this respect, over last year was 17 per cent. For positions secured to males, the increase this year over last was 42.56 per cent; for females 18.7 per cent; for both sexes 35.4 per cent.

The increase in the number of positions secured this year for both sexes is 71.75 per cent more than for the year 1900. A similar table is shown for the applications for help for seven years:

TABLE 7—*Number of Applications for Help, and Positions Secured for Seven Years.*

YEAR.	APPLICATIONS FOR HELP.					
	NUMBER FILED.			NUMBER OF POSITIONS SECURED.		
	Males.	Females.	Total.	Males.	Females.	Totals.
1900—3 offices.....	16,749	18,793	35,542	15,322	15,896	31,218
1901—3 offices.....	14,294	12,329	26,623	12,748	10,018	22,766
1902—4 offices.....	20,243	17,254	47,497	26,661	13,520	40,181
1903—4 offices.....	29,946	17,613	47,559	26,335	12,892	39,227
1904—4 offices.....	21,625	15,085	36,710	19,405	12,319	31,724
1905—4 offices.....	29,351	15,226	44,577	27,652	11,946	39,598
1906—4 offices.....	42,077	18,881	60,958	39,420	14,197	53,617
Totals—7 years.....	184,265	115,131	299,416	167,543	90,798	258,341
1899—3 offices, 9 weeks.....	6,103	4,267	10,370	3,752	2,745	6,497
1901—Peoria office, 3 months.....	1,028	473	1,501	877	353	1,230
Totals.....	7,131	4,740	11,871	4,629	3,098	7,727
Grand totals.....	191,416	119,871	311,287	172,172	93,896	266,068

Regarding the applications for male help this year it will be seen that the number is almost identical with the number seeking employment, and is also over 151 per cent more than seven years ago. For female help the number wanted this year was about the same as for the year 1900. The number of both sexes for whom positions were secured was 71.75 per cent more than for 1900 and 33.44 per cent more than the greatest number of any previous year.

matter contained in Tables 6 and 7 are reduced to percentages shown in the following table:

8—Percentages of Positions Secured for Employés and Employers, by Years.

YEAR.	POSITIONS SECURED EMPLOYÉS.			HELP FURNISHED EMPLOYERS.		
	Males.	Females.	Both sexes.	Males.	Females.	Both sexes.
.....	72.47	100.56	84.49	91.48	84.58	87.88
.....	87.03	94.07	89.99	89.18	81.26	85.51
.....	88.41	91.70	89.49	88.16	78.35	84.60
.....	89.53	91.46	90.16	87.94	73.20	82.48
.....	81.66	89.72	84.61	89.73	81.66	86.42
.....	86.22	90.16	87.37	94.21	78.46	86.83
.....	93.81	91.15	93.26	93.69	75.89	85.03
7 years	86.71	92.89	88.79	90.92	78.86	86.28
Free offices, 9 weeks	88.19	88.89	49.61	61.48	64.33	62.65
Free office, 3 months	52.30	55.94	53.29	85.31	74.63	81.95
1900 to Oct. 6, 1906	84.10	92.37	86.84	89.95	78.32	85.47

As is shown in contracted form the result or accomplished work of the free employment offices of the State for a series of seven years. The positions secured to applicants of both sexes for employment from 84.49 per cent of the whole number in 1900, to 93.26 per cent for the present year, or 88.79 per cent for the seven years. This is an average of only 11 per cent who were not placed in positions for any different reasons. Another feature of this showing is that the offices were furnished male help supplying requests ranging from 61.48 per cent in 1903 to 94.21 per cent in 1905, supplying the demand with 90.92 per cent for the seven years. For females 78.86 per cent of the wants were accommodated during the series of years shown. As help wanted, both sexes, the showing is that 86.28 per cent were served with the assistance sought for.

The preceding tables 4 and 5 present a classification of industries in which applications of employer and employé were made, and in which positions had been secured and help furnished for both males and females. These classifications have been divided into two classes, skilled and unskilled. It is understood and recognized by the free offices that employers in many industries require help that is either more or less skilled or experienced in these occupations or with the knowledge as indicated. On the other hand the offices gain some knowledge of the ability and experience of the applicants for positions, which enables them to act intelligently on these subjects, as the agent or representative of both the employer and employé.

The classes of occupations in industries which have been grouped as skilled are shown in the following table for a series of seven years.

TABLE 9.—*Skilled Labor, Males and Females. Number of Applicants for Employment and Help. Positions Secured, with Percentage. Seven Years.*

CLASSIFICATION—SKILLED.	NUMBER OF APPLICANTS FOR—		Number of positions secured.	PERCENTAGE OF POSITIONS OBTAINED FOR	
	Employment.	Help.		Employment.	Help.
Seven years—Males	21,700	18,185	14,130	53.25	
Clerical	3,330	1,331	1,331	36.76	
Commercial	6,300	4,300	3,300	53.67	
Professional	230	137	135	53.36	
Trades	17,625	12,408	9,364	56.34	
Seven years—Females	6,191	5,185	3,551	57.36	
Clerical	1,065	727	385	31.09	
Commercial	1,470	1,367	735	53.75	
Professional	1,763	1,722	1,335	75.78	
Trades	1,893	1,380	936	78.38	
Both sexes	27,891	23,370	17,681	54.00	

The table represents both sexes in four similar occupations, giving the number seeking employment and the number wanting help, also the number securing positions, and consequently, furnishing help wanted, finally the results accomplished are shown by percentages. This grouping showing four particular industries or callings, is drawn from table 16 of this report and similar tables presented each year. For instance, in Table 16 of this report, under the head of "clerical" is grouped nine different kinds of clerical positions; last year there were twelve; and so on in each of the four classes. With this explanation, attention is directed to the two columns of percentages; in the first column for males, the consequence was that positions were secured for employes, ranging from 36.76 per cent for clerical service to 56.34 per cent for persons having knowledge in some distinct trade or calling. While for the four classes 53.25 per cent secured positions. For females the range was from 31.09 per cent in clerical service to 78.38 per cent in trades, and 57.36 per cent for all classes, and for both sexes 54 per cent. In the second column is shown the percentage of assistants supplied to employers. For male help the percentages are much greater in all four classes of employment, ranging from 81.11 per cent in trades to 96.3 per cent for clerical service, resulting in 81.11 per cent for all classes. The demand for female help in these occupations, except in professional service, is very considerably greater than for males; the greater percentage being for clerical services; in the four classes, 68.35 per cent appears. For both sexes the percentage is 78.27 per cent.

For positions secured to applicants for employment and for help in pursuits termed herein as unskilled, the following is compiled for a series of seven years:

TABLE 10—*Unskilled Labor, Males and Females, Number of Applicants for Employment and Help. Positions Secured, with Percentages for Seven Years.*

CLASSIFICATION—UNSKILLED.	NUMBER OF APPLICANTS FOR—		Number of positions secured.	PERCENTAGES OF POSITIONS SECURED FOR—	
	Employment.	Help.		Employment.	Help.
Seven years—Males.....	165,519	165,069	147,464	89.91	88.78
Agricultural.....	9,079	9,406	8,057	88.74	85.65
Domestic service.....	27,058	24,157	22,933	84.75	94.93
Manual labor.....	86,508	95,676	83,906	97.00	87.70
Transportation.....	14,532	12,776	11,544	79.44	90.36
Miscellaneous.....	28,347	24,064	21,024	74.17	87.29
Seven years—Females.....	91,551	109,846	83,923	91.67	76.40
Domestic service.....	86,174	102,262	79,345	92.08	77.59
Personal service.....	126	67	49	39.20	73.13
Miscellaneous.....	5,252	7,517	4,529	86.23	60.25
Both sexes.....	257,070	275,945	231,387	90.01	83.85

Here is shown in four classes of occupations for males and two for females, with a miscellaneous class in each, the final results of all of the offices in supplying the wants of both employé and employer, with what has been classed as unskilled labor.

It is freely conceded here that in this classification many of the industries embraced in the abridgment might well be included as skilled labor; this is especially true, to a certain degree, as to domestic service and manual labor, in both of which it is often found that persons seeking such employment possess aptness and ability amounting to expert knowledge in many branches of service classed under these headings, all of which is required and demanded by the employer. Of the whole number of males applying for employment it is found that 68.61 per cent was for domestic service and manual labor; of this number 94.1 per cent secured positions. For employers the experience is nearly similar, 72.15 per cent of the whole number wanted this class of help and 89.16 per cent were successfully supplied. Considering females in domestic service, 92.08 per cent of the applicants secured positions, furnishing 77.59 per cent of employers with this class of help. Regarding both sexes it will be seen that 90 per cent of the whole number applying for employment secured positions, thus affording help to 84 per cent of the employers.

APPLICATIONS FOR EMPLOYMENT.

The applications for employment for both males and females, registered in the four offices during the year, with classified occupations is shown in the following table:

TABLE 11—*Applications for Employment—Work of all the Offices—Three in Chicago, One in Peoria.*

MALES.

Number.	OCCUPATION.	APPLICATIONS FOR EMPLOYMENT.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Grand Totals.	10, 611	16, 707	19, 169	11, 002	57, 489
	Males.	6, 225	12, 305	15, 372	8, 121	42, 023
	Females.	4, 386	4, 402	3, 797	2, 881	15, 466
	Total Males.	6, 225	12, 305	15, 372	8, 121	42, 023
1	Actors.	12				12
2	Agents.		12		68	80
3	Any light work.		11			12
4	Apprentices.			31	4	35
5	Artists.	1				1
6	Awning men.		1			1
7	Bakers.	4	22	4	30	60
8	Barbers.		5	2	4	11
9	Barnmen.	75	105	32	190	392
10	Bartenders.	11	13	11	9	44
11	Bench hands.			11		11
12	Blacksmiths.	21	41	20	39	121
13	Blacksmith helpers.			3	3	6
14	Boiler makers.	3	34	3	3	43
15	Bookbinders.				2	2
16	Bookkeepers.	10	14	9	5	38
17	Bootblacks.		9			9
18	Boxmakers.	1	34	1		36
19	Boys.	416	262	435		1, 113
20	Boys, bell.				76	76
21	Boys, delivery.				140	140
22	Boys, elevator.				17	17
23	Boys, errand.			3	11	14
24	Boys, hotel.				7	7
25	Boys, messenger.				4	4
26	Boys, office.			11	31	42
27	Brass finishers.			3		3
28	Bricklayers.		11	2		13
29	Brickmakers.				2	2
30	Bridge builders.			2		2
31	Brush makers.	3		1		4
32	Butchers.	4	14	9	2	29
33	Butlers.	10	18	1		29
34	Cabinet makers.	7	9	17	1	34
35	Calclminers.		10			10
36	Candy makers.			2	1	3
37	Canvassers.	5		22	77	104
38	Canvassmen.				7	7
39	Car builders.			8		8
40	Carpenters.	49	240	165	120	574
41	Carpet layers.		1		1	2
42	Carriage and wagon washers.	17	30	12		59
43	Cashiers.		2		2	4
44	Cement makers.				1	1
45	Cigar makers.	3		1		4
46	Cleaners, harness.			2		2
47	Clerks, drug.		1		2	3
48	Clerks, hotel.			2		2

Table 11—Continued.

Number.	OCCUPATION.	APPLICATIONS FOR EMPLOYMENT.				Total.
		North Side.	South Side.	West Side.	Peoria.	
49	Clerks, Shipping.....		50	1	1	52
50	Clerks, not stated.....	103	129	145	93	470
51	Cochmen.....	12	20	18	11	61
52	Coal miners.....				66	66
53	Coffeemen.....				3	3
54	Collectors.....	8	11	2	31	52
55	Concrete workers.....				1	1
56	Cooks.....	56	308	76	161	601
57	Coremakers.....	1		2		3
58	Dairymen.....		35		37	72
59	Deck hands.....	4	18		2	24
60	Detectives.....	1				1
61	Die makers.....	1				1
62	Dining room work.....	2				2
63	Dishwashers.....	74	464	68	142	748
64	Distributors.....	12	26		13	51
65	Draughtsmen.....	2				2
66	Drill pressmen.....	1		85		86
67	Drivers.....	36		102	3	141
68	Droppers.....	1				1
69	Electricians.....	6	34	11	8	59
70	Elevatormen.....	27	93	37	3	160
71	Embalmers.....				1	1
72	Engineers.....	29	62	46	16	153
73	Factory hands.....	240	675	539	102	1,556
74	Farm hands.....	128	305	377	280	1,090
75	Firemen.....	36	98	106	34	274
76	Florists.....				1	1
77	Fruit pickers.....				23	23
78	Furnace tenders.....				1	1
79	Gatekeepers.....	13				13
80	Gardeners.....	12	73	16	54	155
81	Glass workers.....	2				2
82	Grinders.....	1				1
83	Handymen.....	554	33		389	976
84	Harness makers.....		5	1		6
85	Harvest hands.....				52	52
86	Hod carriers.....				1	1
87	Horseshoers.....				1	1
88	Hostlers.....		3	22	6	31
89	Hotel work.....				5	5
90	Housemen.....	500	862	99	96	1,557
91	Ice cutters.....		160			160
92	Interpreters.....		4			4
93	Iron workers.....	7	29	3		39
94	Janitors.....	129	267	123	46	565
95	Janpanners.....	11				11
96	Kitchen work.....	23	196	23	24	266
97	Laborers.....	2,559		9,300	4,276	16,135
98	Laborers, railroad.....		4,259		7	4,266
99	Lathe hands.....			10		10
100	Laundrymen.....	2	61		6	73
101	Linemen.....			1		1
102	Locksmiths.....	5		1	2	8
103	Machine hands.....	2	48	47		97
104	Machinists.....	57	106	182	51	396
105	Malsters.....				10	10
106	Managers.....				1	1
107	Masons, brick.....				8	8
108	Metal workers.....	22		38		60
109	Mill work.....	37				67
110	Millwrights.....		1	2	1	4
111	Miners.....	1	11	3		15
112	Molders.....	15	41	52	15	123
113	Molders helpers.....			1		1
114	Mortar mixers.....				1	1
115	Motormen.....				1	1
116	Nurse.....	5	12	3	5	25
117	Office help.....	22			5	27
118	Oilers.....			6		6
119	Packers.....	19	82	61	5	167

Table 11—Continued.

Number.	OCCUPATION.	APPLICATION FOR EMPLOYMENT.				Total
		North Side.	South Side.	West Side.	Peoria.	
120	Painters.....	37	78	24	62	
121	Paper hangers.....	3	1	1	3	
122	Pantrymen.....		4			
123	Panwashers.....	14			66	
124	Pattern makers.....	2	4	3	9	
125	Photographers.....				1	
126	Pin setters.....				36	
127	Pipe fitters.....				1	
128	Plasterers.....				1	
129	Plumbers.....		5	4		
130	Polishers.....			7		
131	Porters.....	236	720	216	201	1.
132	Powder mill men.....				12	
133	Pressmen.....	41	10	5	5	
134	Printers.....		14	3		
135	Punch press hands.....			24		
136	Riggers.....	2				
137	Roofers.....		16			
138	Sailors.....			1		
139	Salesmen.....	7	36	4	21	
140	Sawyers.....	16		2		
141	Section men.....				92	
142	Shoemakers.....	2	1	1	1	
143	Showmen.....				1	
144	Solicitors.....	22	9	1	37	
145	Steam fitters.....	10	23	21	7	
146	Stenographers.....	7	14	3	2	
147	Stock keepers.....			151		
148	Stockmen.....	81	264			
149	Stone cutters.....			1		
150	Stone masons.....				1	
151	Storekeepers.....				1	
152	Stovemmen.....			1	2	
153	Switchmen.....		1			
154	Tailors.....	1	8			
155	Tallymen.....	2				
156	Teachers, swimming.....				2	
157	Teachers, not stated.....		9			
158	Teamsters.....	56	279	138	373	
159	Telegraphers.....		2		1	
160	Tile setters.....				1	
161	Time keepers.....	2		4		
162	Tinsmiths.....	120	18	5	5	
163	Tobacco strippers.....				1	
164	Tool makers.....			3		
165	Triphammerers.....	1				
166	Truckmen.....		374	941	40	1
167	Upholsterers.....		28	1		
168	Ushers.....		6			
169	Vise hands.....			1		
170	Wagon makers.....	3			4	
171	Walters.....	15	439	21	76	
172	Watchmen.....	22	128	80	25	
173	Well drillers.....				1	
174	Whitewashers.....	1		3		
175	Wholesale men.....			6		
176	Window dressers.....	1				
177	Window washers.....	76	206	210	7	
178	Window wipers.....				2	
179	Wood choppers.....		2		10	
180	Wood finishers.....			3		
181	Wood workers.....			20	1	
182	Yardmen.....	15	126	5	61	
183	Miscellaneous, not classified.....			1,017		1

Table II—Concluded.

FEMALES.

Number.	OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Total females	4,386	4,402	3,797	2,881	15,466
1	Addressers	4		11		15
2	Agents				3	3
3	Bakers				1	1
4	Bindery work		2		5	7
5	Bookkeepers	3			16	19
6	Bottle labelers			51		51
7	Canvassers				25	25
8	Cashiers	2	11	7	20	40
9	Cigarmakers				22	22
10	Cleaners				1	1
11	Clerks	10	9	1	76	96
12	Chambermaids	410	377	334	237	1,358
13	Checkers				1	1
14	Collectors				7	7
15	Companions		1		6	7
16	Cooks	400	442	284	110	1,236
17	Dayworkers	503	200	253	382	1,338
18	Demonstrators	1	13		4	18
19	Dining room help	98		138	125	361
20	Dishwashers	271	396	243	137	1,047
21	Dishwipers				6	6
22	Distributors				2	2
23	Domestics			567		567
24	Dressmakers			1	4	5
25	Factory work	133	187	469	188	977
26	Folders, circular			12		12
27	General housework	1,452	1,206		818	3,476
28	Hotel help				14	14
29	Housekeepers	67	70	103	100	340
30	Ironers				5	5
31	Janitresses	3	4	10	3	20
32	Kitchen help	239	327	233	141	900
33	Labelers				6	6
34	Lady's maids		2			2
35	Laundresses	99	146	189	24	458
36	Linen room work				4	4
37	Mail order help			6		6
38	Matrons	2		2	1	5
39	Milliners				2	2
40	Models		5			5
41	Nurses	61	52	37	65	215
42	Office work	26	61	13	51	151
43	Operators	9				9
44	Packers				2	2
45	Pantry work	38	83	54	16	191
46	Pastry cooks				8	8
47	Reception service		2	1		3
48	Saleswomen		1	4	3	8
49	Scrubwomen	182	288	251	15	736
50	Seamstresses	27	21	171	11	230
51	Second cooks				6	6
52	Second work	145	94	32	75	346
53	Silver women				14	14
54	Solicitors		17		6	23
55	Stenographers	26	30	7	33	96
56	Teachers				1	1
57	Telephone operators				3	3
58	Tobacco strippers				3	3
59	Tray work	1				1
60	Typewriters			2		2
61	Vegetable women				12	12
62	Waitresses	122	353	243	61	779
63	Wrappers	2		4		6
64	Miscellaneous, not classified			64		64

Table 11—Continued.

Number.	OCCUPATION.	APPLICATION FOR EMPLOYMENT.				To
		North Side.	South Side.	West Side.	Peoria.	
	Painters	27	78	24	62	
	Paper hangers	3	1	1	3	
	Paintymen		4			
	Panwashers	14			66	
	Pattern makers	2	4	2	9	
	Photographers				1	
	Pin setters				26	
	Pipe fitters				1	
	Plasterers				1	
	Plumbers		5	4		
	Polishers			7		
	Porters	205	720	225	201	
	Powder mill men				12	
	Pressmen	41	20	5	5	
	Printers		14	3		
	Punch press hands			24		
	Riggers	2				
	Roofers		15			
	Sailors			1		
	Salesmen	7	25	4	21	
	Sawyers	16		2		
	Section men				22	
	Shoemakers	2	1	1	1	
	Showmen				1	
	Collectors	22	9	1	27	
	Steam fitters	10	20	21	7	
	Stenographers	7	14	3	2	
	Stock keepers			121		
	Stockmen	21	204			
	Stone cutters			1		
	Stone masons				1	
	Storekeepers				1	
	Stovemakers			1	2	
	Switchmen		1			
	Tailors	1	6			
	Tallymen	2				
	Teachers, swimming				2	
	Teachers, not stated		9			
	Teamsters	26	27	25	22	
	Telegraphers		2		1	
	Tile setters				1	
	Time keepers	2		4		
	Tinmiths	120	16	5	5	
	Tobacco strippers				1	
	Tool makers			3		
	Tuphammers	1				
	Truckmen		224	241	40	
	Upholsterers		14	1		
	Dealers		6			
	Use hands			1		
	Wagon makers	3			4	
	Waiters	15	22	21	76	
	Watchmen	22	22	20	25	
	Well drillers				1	
	Whitewashers	1		5		
	Wholesale men					
	Window dressers	1				
	Window washers	76	206	216	7	
	Window whets		2		12	
	Wood choppers				10	
	Wood finishers			3		
	Wood workers			20	1	
	Yardmen	15	72	5	61	
	Miscellaneous, not classified			1,017		

Table 11—Concluded.

FEMALES.

Number.	OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Total females	4,336	4,402	3,797	2,881	15,406
1	Addressers.....	4		11		15
2	Agents.....				3	3
3	Bakers.....				1	1
4	Bindery work.....		2		5	7
5	Bookkeepers.....	3			16	19
6	Bottle labelers.....			51		51
7	Canvassers.....				25	25
8	Cashiers.....	2	11	7	20	40
9	Cigarmakers.....				22	22
10	Cleaners.....				1	1
11	Clerks.....	10	9	1	76	96
12	Chambermaids.....	410	377	334	237	1,358
13	Checkers.....				1	1
14	Collectors.....				7	7
15	Companions.....		1		6	7
16	Cooks.....	400	442	284	110	1,236
17	Dayworkers.....	503	200	253	332	1,338
18	Demonstrators.....	1	13		4	18
19	Dining room help.....	98		138	125	361
20	Dishwashers.....	271	396	243	137	1,047
21	Dishwipers.....				6	6
22	Distributors.....				2	2
23	Domestics.....			567		567
24	Dressmakers.....			1	4	5
25	Factory work.....	133	187	469	188	977
26	Folders, circular.....			12		12
27	General hrusework.....	1,452	1,208		818	3,478
28	Hotel help.....				14	14
29	Housekeepers.....	67	70	103	100	340
30	Ironers.....				5	5
31	Janitresses.....	3	4	10	3	20
32	Kitchen help.....	289	327	233	141	990
33	Labelers.....				6	6
34	Lady's maids.....		2			2
35	Laundresses.....	99	146	189	24	458
36	Linen room work.....				4	4
37	Mail order help.....			6		6
38	Matrons.....	2		2	1	5
39	Milliners.....				2	2
40	Models.....		5			5
41	Nurses.....	61	52	37	65	215
42	Office work.....	26	61	13	51	151
43	Operators.....	9				9
44	Packers.....				2	2
45	Pantry work.....	38	83	54	16	191
46	Pastry cooks.....				8	8
47	Reception service.....		2	1		3
48	Saleswomen.....		1	4	3	8
49	Scrubwomen.....	182	268	251	15	796
50	Seamstresses.....	27	21	171	11	230
51	Second cooks.....				6	6
52	Second work.....	145	94	32	75	346
53	Silver women.....				14	14
54	Solicitors.....		17		6	23
55	Stenographers.....	26	30	7	33	96
56	Teachers.....				1	1
57	Telephone operators.....				3	3
58	Tobacco strippers.....				3	3
59	Tray work.....	1				1
60	Typewriters.....			2		2
61	Vegetable women.....				12	12
62	Waitresses.....	122	353	243	61	779
63	Wrappers.....	2				6
64	Miscellaneous, not classified.....			64		64

For males, the 42,023 applications are shown in 182 occupations, with a miscellaneous class; for females, the 15,466 applicants are represented by 63 occupations, with a miscellaneous class.

For both sexes the West Side office registered the largest number the South Side next, followed by the Peoria and North Side offices, respectively.

APPLICATIONS FOR HELP.

A corresponding table to the foregoing is presented, showing the applications of employers for help, the classification of occupations being almost identical:

TABLE 12—*Applications for Help—Work of all the Offices—Three in Chicago, One in Peoria.*
MALES.

Number.	OCCUPATIONS.	APPLICATIONS FOR HELP.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Grand totals.....	12,083	19,544	18,331	10,950	60,908
	Males.....	6,358	13,313	14,237	8,169	42,077
	Females.....	5,725	6,231	4,094	2,781	18,831
	Total males.....	6,358	13,313	14,237	8,169	42,077
1	Actors.....	16				16
2	Agents.....		11		75	86
3	Any light work.....		1			1
4	Apprentices.....			2	4	6
5	Architects.....	1				1
6	Awning men.....		1			1
7	Bakers.....	2	22	1	30	55
8	Barbers.....		5		4	9
9	Barnmen.....	76	102	31	179	388
10	Bartenders.....	7	10	5	7	29
11	Bench hands.....			3		3
12	Blacksmiths.....	22	52	10	30	114
13	Blacksmiths' helpers.....			1	3	4
14	Boiler makers.....		55		2	57
15	Bookkeepers.....	4	7		4	15
16	Bootblacks.....		9			9
17	Boxmakers.....		29			29
18	Boys.....	434	352	387		1,173
19	Boys, bell.....				81	81
20	Boys, delivery.....				138	138
21	Boys, elevator.....				16	16
22	Boys, errand.....			2	11	13
23	Boys, messenger.....				4	4
24	Boys, office.....			8	30	38
25	Boys, hotel.....				7	7
26	Bricklayers.....		10	1		11
27	Brickmakers.....				2	2
28	Brush makers.....	5		1		6
29	Butchers.....	3	13	2	2	20
30	Butlers.....	9	21	1		31
31	Cabinet makers.....	6	39	12		57
32	Calcininers.....		10			10
33	Candy makers.....			2	1	3
34	Canvassers.....	5		31	76	112
35	Canvassmen.....				9	9
36	Car builders.....			1		1
37	Carpenters.....	43	392	154	106	695
38	Carpet layers.....		2		1	3
39	Carriage and wagon makers.....	20	32	11		63

Table 12—Continued.

Number.	OCCUPATIONS.	APPLICATIONS FOR HELP.				Total.
		North Side.	South Side.	West Side.	Peoria.	
40	Cashiers		2		1	3
41	Cigar makers	1				1
42	Cleaners, harness			2		2
43	Clerks, drug		1		1	2
44	Clerks, hotel			1		1
45	Clerks, shipping		47		1	48
46	Clerks, not stated	85	98	22	51	246
47	Coachmen	10	19	13	5	47
48	Coal miners				117	117
49	Coffee men				3	3
50	Collectors	5	7		28	40
51	Cooks	52	307	49	155	567
52	Core makers	1				1
53	Dairymen		33		35	68
54	Deck hands	5	17		2	24
55	Die makers	2				2
56	Dishwashers	75	446	63	143	727
57	Diningroom work	2				2
58	Distributors	12	34		13	49
59	Draughtsmen	3			2	5
60	Drill pressmen			45		45
61	Drivers	34		31	3	68
62	Drophammerers	2				2
63	Electricians	5	33	1	4	43
64	Elevatormen	25	79	5	3	112
65	Engineers	24	45	14	9	92
66	Factory hands	265	675	448	91	1,479
67	Farm hands	131	385	343	271	1,130
68	Firemen	32	95	51	23	201
69	Fruit pickers				25	25
70	Furnace tenders				1	1
71	Gardeners	15	78	11	54	158
72	Gate-men	16				16
73	Grinders	1				1
74	Handymen	582	33		390	1,005
75	Harness makers		5			5
76	Harvest hands				61	61
77	Hod carriers				1	1
78	Hostlers		3	19	5	27
79	Hotel work				3	3
80	Housemen	498	793	69	96	1,456
81	Ice cutters		209			209
82	Interpreters		23			23
83	Iron workers	6	27			33
84	Janitors	115	243	74	37	469
85	Japanners	13				13
86	Kitchen work	23	187	16	24	250
87	Laborers	2,707		9,359	4,355	16,421
88	Laborers, railroad		4,984		7	4,991
89	Lathe hands			4		4
90	Laundrymen	1	54		6	65
91	Locksmiths	5		1	2	8
92	Machine hands	1	46	31		78
93	Machinists	43	161	74	50	328
94	Malsters				10	10
95	Manager				1	1
96	Masons, brick				7	7
97	Metal workers	22		37		59
98	Mill work	35				35
99	Millwrights	3	1			4
100	Miners		11	3		14
101	Molders	18	106	50	30	204
102	Mortar mixer				1	1
103	Nurses	4	11	2	4	21
104	Office help	10				10
105	Packers	20	80	42	5	147
106	Painters	34	76	8	57	175
107	Panwashers	14			66	80
108	Pantrymen		4			4
109	Paper hangers	3	1	1	2	7
110	Pattern makers	2	3	4	13	22
111	Pipe fitters				1	1
112	Plasters				1	1

Table 12—Continued.

Number	OCCUPATIONS.	APPLICATIONS FOR HELP.				Total.
		North Side.	South Side.	West Side.	Peoria.	
113	Plumbers.....		4	2		6
114	Polishers.....			5		5
115	Porters.....	335	645	181	197	1,258
116	Powder mill men.....				12	12
117	Pressmen.....	40	9	4	4	57
118	Printers.....		11			11
119	Punch press hands.....			15		15
120	Riggers.....	2				2
121	Roofers.....		20			20
122	Salesmen.....	3	33		21	57
123	Sawyers.....	17				17
124	Section men.....				161	161
125	Shoemakers.....	1	1	1		3
126	Showman.....				1	1
127	Solicitors.....	25	10		45	80
128	Steam fitters.....	5	25	17	6	53
129	Stenographers.....	6	11	2	1	20
130	Stock keepers.....			146		146
131	Stock men.....	82	253			335
132	Stone cutter.....			1		1
133	Store keeper.....				1	1
134	Stovemmen.....			1	2	3
135	Switchmen.....		1			1
136	Tailymen.....	2				2
137	Tailors.....		7			7
138	Teachers.....		8		2	10
139	Teamsters.....	50	373	31	390	773
140	Telegraphers.....		2			2
141	Ten pin setters.....				44	44
142	Tile setters.....				1	1
143	Time keepers.....	2				2
144	Tinsmiths.....	128	26	3	5	164
145	Tobacco stripper.....				1	1
146	Tool makers.....			2		2
147	Triphammerers.....	2				2
148	Truckmen.....		418	980	40	1,397
149	Upholsterers.....	5	48	5		58
150	Ushers.....	2	7			9
151	Wagon makers.....				5	5
152	Waiters.....	17	411	12	80	500
153	Watchmen.....	14	111	30	3	158
154	Well driller.....				1	1
155	Whitewashers.....	1		3		4
156	Window washers.....	84	220	206	7	517
157	Window wipers.....				2	2
158	Wood choppers.....		2		19	21
159	Wood finishers.....			3		3
160	Wood workers.....			20	1	21
161	Yardmen.....	15	119	5	61	200
162	Miscellaneous, not classified.....			967		967

FEMALES.

Total females.....		5,725	6,221	4,094	2,781	18,821
1	Addressers.....	7		7		14
2	Agents.....				3	3
3	Bakers.....				1	1
4	Bindery work.....		2		4	6
5	Bookkeepers.....	1			5	6
6	Bottle labelers.....			48		48
7	Janvassers.....	4			31	35
8	Jashiers.....	1	7		15	23
9	Legarmakers.....				22	22
10	Leaners.....				1	1
11	Lerks.....	14	12	1	43	70
12	Hambermaids.....	481	483	312	219	1,495

Table 12—Concluded.

Number.	OCCUPATIONS.	APPLICATIONS FOR HELP.				Total.
		North Side.	South Side.	West Side.	Peoria.	
13	Checkers.....				1	1
14	Collectors.....				4	4
15	Companions.....				5	5
16	Cooks.....	508	627	255	160	1,490
17	Dayworkers.....	504	215	110	280	1,109
18	Demonstrators.....	6	13		2	21
19	Dining room help.....	197		164	122	483
20	Dishwashers.....	327	471	229	124	1,151
21	Dishwipers.....				6	6
22	Distributors.....				2	2
23	Domestics.....			804		804
24	Dressmakers.....			2	3	5
25	Factory work.....	253	314	66	179	1,251
26	Folders, circular.....			16		16
27	General housework.....	2,042	1,980		1,038	5,060
28	Hotel help.....				7	7
29	Housekeepers.....	70	50	68	65	253
30	Ironers.....				2	2
31	Janitresses.....	3	5		2	10
32	Kitchen help.....	322	426	225	126	1,111
33	Labelers.....				6	6
34	Lady's maid.....		2			2
35	Laundresses.....	127	150	173	14	504
36	Linen room work.....				4	4
37	Mail order help.....			9		9
38	Matrons.....	5			1	6
39	Models.....		5			5
40	Milliners.....				1	1
41	Nurses.....	19	12	30	17	78
42	Office work.....	27	12	5	15	59
43	Operators.....	12				12
44	Packers.....				2	2
45	Pantry work.....	37	100	44	15	196
46	Pantry cooks.....				7	7
47	Reception service.....			2		2
48	Saleswomen.....		1		2	3
49	Scrubwomen.....	206	350	200	13	869
50	Seamstresses.....	53	26	301	8	388
51	Second cooks.....				4	4
52	Second work.....	194	156	34	22	416
53	Silver women.....				16	16
54	Solicitors.....	2	11		19	32
55	Stenographers.....	19	20	1	12	52
56	Teachers.....				1	1
57	Telephone operators.....				2	2
58	Tobacco strippers.....				1	1
59	Tray work.....	1				1
60	Typewriters.....			1		1
61	Vegetable women.....				11	11
62	Waitresses.....	212	540	252	62	1,066
63	Wrappers.....	2		5		7
64	Miscellaneous, not classified.....			56		56

POSITIONS SECURED.

The positions secured to applicants for employment, thereby furnishing help to employers, being the consequence, through the instrumentality of these offices, of bringing both parties together, is shown in the following table:

TABLE 13—*Positions Secured—Work of all the Offices—Three in Chicago, One in Peoria.*

MALES.

Number.	OCCUPATIONS.	POSITIONS SECURED.				Total.
		North Side.	South Side.	West Side.	Peoria.	
	Totals.....	10,299	15,868	17,176	10,284	53,617
	Males.....	6,013	11,535	14,074	7,798	39,420
	Females.....	4,286	4,333	3,102	2,486	14,197
	Total males.....	6,013	11,535	14,074	7,798	39,420
	Males.....	5,722	11,535	14,074	7,725	39,056
	Positions filled from previous applications.....	291			73	364
1	Actors.....	12				12
2	Agents.....		11		68	79
3	Any light work.....		1			1
4	Apprentices.....			1	4	5
5	Awning men.....		1			1
6	Bakers.....	1	21	1	23	46
7	Barbers.....		5		4	9
8	Barnmen.....	73	98	31	178	380
9	Bartenders.....	5	10	5	7	27
10	Bench hands.....			3		3
11	Blacksmiths.....	17	36	10	29	92
12	Blacksmiths helpers.....			1	3	4
13	Boiler makers.....		34		2	36
14	Bookkeepers.....	2	6		4	12
15	Bootblacks.....		9			9
16	Boxmakers.....		29			29
17	Boys.....	385	243	376		1,004
18	Boys, bell.....				76	76
19	Boys, delivery.....				133	133
20	Boys, elevator.....				16	16
21	Boys, errand.....			2	11	13
22	Boys, messenger.....				4	4
23	Boys, office.....			8	30	38
24	Boys, hotel.....				7	7
25	Bricklayers.....		10	1		11
26	Brick makers.....				2	2
27	Brush makers.....	1		1		2
28	Butchers.....	2	12	2	2	18
29	Butlers.....	8	18	1		27
30	Cabinet makers.....	5	8	12		25
31	Calclminers.....		10			10
32	Candy makers.....			2	1	3
33	Canvassers.....	3		22	76	101
34	Canvassmen.....				7	7
35	Car builders.....			8		8
36	Carpenters.....	88	296	131	106	511
37	Carpet layers.....		1		1	2
38	Carriage and wagon washers.....	16	29	11		56
39	Cashiers.....		2		1	3
40	Cigar makers.....	1				1
41	Cleaners, harness.....			2		2
42	Clerks, drug.....		1		1	2

Table 13—Continued.

Number.	OCCUPATIONS.	POSITIONS SECURED.				Total.
		North Side.	South Side.	West Side.	Peoria.	
43	Clerks, hotel.....			1		1
44	Clerks, shipping.....		47		1	48
45	Clerks, not stated.....	82	83	21	51	237
46	Coachmen.....	9	17	13	5	44
47	Coal miners.....				66	66
48	Coffee men.....				3	3
49	Collectors.....	3	7		28	38
50	Cooks.....	43	285	49	143	520
51	Core makers.....	1				1
52	Dairymen.....		33		35	68
53	Deck hands.....	4	17		2	23
54	Dining room work.....	2				2
55	Dish washers.....	73	442	63	141	719
56	Distributors.....	12	24		13	49
57	Drill pressmen.....			45		45
58	Drivers.....	34		31	3	68
59	Drophammerer.....	1				1
60	Electricians.....	4	30	1	4	39
61	Elevatormen.....	24	78	5	3	110
62	Engineers.....	18	37	14	8	77
63	Factory hands.....	208	646	448	80	1,382
64	Farm hands.....	116	282	326	264	988
65	Firemen.....	29	85	51	22	187
66	Fruit pickers.....				23	23
67	Furnace tenders.....				1	1
68	Gatemen.....	13				13
69	Gardners.....	12	68	10	53	143
70	Grinders.....	1				1
71	Handymen.....	539	33		387	959
72	Harness makers.....		5			5
73	Harvest hands.....				52	52
74	Hod carriers.....					1
75	Hostlers.....		3	19	5	27
76	Hotel work.....				3	3
77	Housemen.....	486	790	69	94	1,429
78	Ice cutters.....		159			159
79	Interpreters.....		3			3
80	Iron workers.....	6	26			32
81	Janitors.....	112	236	73	37	458
82	Japanners.....	9				9
83	Kitchen work.....	22	184	16	24	246
84	Laborers.....	2,471		9,295	4,188	15,954
85	Laborers, railroad.....		4,171		7	4,178
86	Lathe hands.....			4		4
87	Laundrymen.....	1	54	4	6	65
88	Locksmiths.....	5		1	2	8
89	Machine hands.....	1	46	31		78
90	Machinists.....	41	99	74	45	259
91	Malsters.....				10	10
92	Managers.....				1	1
93	Masons, brick.....				7	7
94	Metal workers.....	16		35		51
95	Mill work.....	28				28
96	Millwright.....		1			1
97	Miners.....		11	3		14
98	Molders.....	5	40	50	10	105
99	Mortar mixers.....				1	1
100	Nurses.....	4	11	2	4	21
101	Office help.....	9				9
102	Packers.....	18	77	42	5	142
103	Painters.....	23	73	8	53	157
104	Paperhangers.....	2	1	1	2	6
105	Pantrymen.....		4			4
106	Panwashers.....	14			66	80
107	Patternmakers.....	1	3	1	6	11
108	Pipe fitters.....				1	1
109	Plasterers.....				1	1
110	Plumbers.....		4	2		6
111	Polishers.....			5		5

Table 13—Continued.

Number.	OCCUPATIONS.	POSITIONS SECURED.				Total.
		North Side.	South Side.	West Side.	Peoria.	
112	Porters	226	639	181	197	1,243
113	Powder mill men				12	12
114	Pressmen	35	9	4	4	52
115	Printers		11			11
116	Punch press hands			15		15
117	Riggers	2				2
118	Roofers		15			15
119	Salesmen	1	32		17	50
120	Sawyers	16		1		17
121	Section men				92	92
122	Shoemakers	1	1			2
123	Showmen				1	1
124	Solicitors	12	9		37	58
125	Steamfitters	1	20	17	5	43
126	Stenographers	4	10	2	1	17
127	Stockmen	78	246			324
128	Stockkeepers			146		146
129	Storekeepers				1	1
130	Stonecutters			1		1
131	Stovemmen			1	2	3
132	Switchmen		1			1
133	Tailors		6			6
134	Tallymen	2				2
135	Teachers		8		2	10
136	Teamsters	48	253	91	353	745
137	Telegraphers		2			2
138	Ten pin setters				36	36
139	Tile setters				1	1
140	Timekeepers	2				2
141	Tinsmiths	103	17	3	4	127
142	Tobacco strippers				1	1
143	Toolmakers			2		2
144	Triphammerers	1				1
145	Truckmen		368	929	40	1,337
146	Upholsterers		28	1		29
147	Ushers		6			6
148	Wagonmakers	1			4	5
149	Walters	14	396	11	68	489
150	Watchmen	14	109	30	3	156
151	Well drillers				1	1
152	Whitewashers	1		3		4
153	Window washers	74	198	206	7	485
154	Window wipers				2	2
155	Wood choppers		2		9	11
156	Wood finishers			1		1
157	Wood workers			20	1	21
158	Yardmen	15	113	5	61	194
159	Miscellaneous, not classified			960		960

FEMALES.

	Total	4,286	4,323	3,102	2,486	14,197
	Females	4,177	3,642	3,102	2,457	13,378
	From previous applications	109	681		29	819
1	Addressers	4		5		9
2	Agents				3	3
3	Bakers				1	1
4	Bindery work		2		4	6
5	Bookkeepers	1			5	6
6	Bottle lablers			46		46
7	Canvassers				25	25
8	Cashiers	1	6		14	21
9	Cigar makers				22	22
10	Cleaners				1	1
11	Clerks	9	5	1	43	58

Table 13—Concluded.

OCCUPATION.	POSITIONS SECURED.				Total.
	North Side.	South Side.	West Side.	Peoria.	
ambermaids.....	383	300	284	208	1,175
beckers.....				1	1
lectors.....				4	4
mpanions.....				5	5
oks.....	376	395	202	92	1,065
yworkers.....	491	194	106	280	1,071
monstrators.....	1	13		2	16
ningroom help.....	95		116	115	326
shwashers.....	263	359	210	131	963
shwipers.....				6	6
istributors.....				2	2
omestics.....			521		521
essmakers.....			1	3	4
actory work.....	132	149	443	164	888
lders, circular.....			12		12
neral housework.....	1,440	964		814	3,208
otel help.....				7	7
ousekeepers.....	46	49	34	61	190
oners.....				5	5
nitresses.....	2	3	2	2	9
tchen help.....	281	286	199	131	897
blers.....				6	6
day's maids.....		2			2
undresses.....	97	128	164	14	403
nen room work.....				4	4
ill order help.....			6		6
itrons.....	1			1	2
liners.....				1	1
odels.....		5			5
irses.....	51	41	24	44	160
ficework.....	9	38	2	15	64
erators.....	9				9
ckers.....				2	2
ntry work.....	30	68	35	15	148
ntry cooks.....				6	6
ception service.....		2	1		3
leswomen.....		1		2	3
rubwomen.....	177	254	223	13	667
amstresses.....	20	18	161	8	207
cond cooks.....				4	4
cond work.....	136	77	19	66	298
lver women.....				14	14
licitors.....		17		5	22
enographers.....	8	14	1	12	35
achers.....				1	1
lephone operators.....				2	2
ibacco strippers.....				3	3
ay work.....	1				1
vegetable women.....				11	11
aitresses.....	111	262	217	57	647
rappers.....	2		4		6
iscellaneous, not stated.....			63		63

last column in this table shows the total number of persons of both sexes for whom positions were secured. The first line at the top of the table shows the total number to be 53,617; of this number 40,817, or 76.32 per cent, were males and 12,800, or 23.68 per cent females.

EMPLOYMENT, HELP, POSITIONS SECURED AND FILLED.

The following table shows the total numbers of the several offices shown in Tables 11, 12 and 13 brought together and the percentages of positions secured and filled.

filled in each of the several occupations are shown in the following table in parallel columns:

TABLE 14—*Number of Applications for Employment, and for Help, Positions Secured, with Percentages to Applicants for Employment and for Help—Four Offices.*

MALES.

Number.	OCCUPATION.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF—	
		Employment.	Help.		Positions secured applicants for employment.	Positions filled applicants for help.
	Grand totals.....	57,489	60,908	*53,617	93.26	98.08
	Males.....	42,023	42,077	†39,420	93.81	98.69
	Females.....	15,466	18,831	14,197	91.79	75.39
	MALES.....	42,023	42,077	39,420	93.81	98.69
1	Actors.....	12	16	12	100.00	75.00
2	Agents.....	50	86	79	98.75	91.88
3	Any light work.....	12	1	1	8.33	100.00
4	Apprentices.....	35	6	5	14.29	58.33
5	Artists.....	1				
6	Awning man.....	1		1	100.00	100.00
7	Bakers.....	60	55	46	76.67	58.64
8	Barbers.....	11	9	9	81.82	100.00
9	Barnmen.....	392	398	390	96.94	97.94
10	Bartenders.....	44	29	27	61.36	98.11
11	Bench hands.....	11	2	3	27.27	100.00
12	Blacksmiths.....	121	114	92	76.03	90.70
13	Blacksmith helpers.....	6	4	4	66.67	100.00
14	Boiler makers.....	43	57	36	83.72	63.16
15	Bookbinders.....	2				
16	Bookkeepers.....	38	15	12	31.58	80.00
17	Bootblacks.....	9	9	9	100.00	100.00
18	Boxmakers.....	36	29	29	80.56	100.00
19	Boys.....	1,113	1,173	1,004	90.21	85.59
20	Boys, bell.....	76	81	76	100.00	98.83
21	Boys, delivery.....	140	138	133	95.00	96.38
22	Boys, elevator.....	17	16	16	94.12	100.00
23	Boys, errand.....	14	13	13	92.86	100.00
24	Boys, hotel.....	7	7	7	100.00	100.00
25	Boys, messenger.....	4	4	4	100.00	100.00
26	Boys, office.....	42	38	38	90.48	100.00
27	Brass finishers.....	3				
28	Bricklayers.....	13	11	11	84.62	100.00
29	Brickmakers.....	2	2	2	100.00	100.00
30	Bridge builders.....	2				
31	Brush makers.....	4	6	2	50.00	33.33
32	Butchers.....	29	20	18	62.42	90.00
33	Butlers.....	29	31	27	93.10	87.10
34	Cabinet makers.....	34	57	25	73.57	43.86
35	Calclminers.....	10	8	10	100.00	100.00
36	Candy makers.....	3		3	100.00	100.00
37	Canvassers.....	104	112	101	97.12	90.18
38	Canvassmen.....	7	9	7	100.00	77.78
39	Car builders.....	8	15	8	100.00	53.33
40	Carpenters.....	574	699	511	89.02	73.10
41	Carpet layers.....	2	3	2	100.00	66.67
42	Carriage and wagon washers.....	59	63	56	94.92	88.89
43	Cashiers.....	4	3	3	75.00	100.00
44	Cement finishers.....	1				
45	Cigar makers.....	4	1	1	25.00	100.00

* Including 1,185 applications filed previous year.

† Including 364 applications filed previous year.

‡ Including 819 applications filed previous year.

Table 14—Continued.

Number.	OCCUPATIONS.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF—	
		Employment.	Help.		Positions secured applicants for employment.	Positions filled applicants for help.
46	Cleaners, harness.....	2	2	2	100.00	100.00
47	Clerks, drug.....	3	2	2	66.67	100.00
48	Clerks, hotel.....	2	1	1	50.00	100.00
49	Clerks, shipping.....	52	48	48	92.31	100.00
50	Clerks, not stated.....	479	246	237	50.43	96.34
51	Coachmen.....	61	47	44	72.13	98.62
52	Coal miners.....	66	117	66	100.00	56.41
53	Coffee men.....	3	3	3	100.00	100.00
54	Collectors.....	52	40	38	73.08	96.00
55	Concrete workers.....	1				
56	Cooks.....	601	563	520	86.52	97.01
57	Core makers.....	3	1	1	33.33	100.00
58	Dairymen.....	72	68	68	95.83	100.00
59	Deck hands.....	24	24	23	95.83	96.88
60	Detective.....	1				
61	Die makers.....	1	2			
62	Dining room work.....	2	2	2	100.00	100.00
63	Dishwashers.....	748	727	719	96.12	98.90
64	Distributors.....	51	49	49	96.08	100.00
65	Draughtsmen.....	2	5			
66	Drill pressmen.....	86	45	45	52.31	100.00
67	Drives.....	141	68	68	48.23	100.00
68	Drophammerers.....	1	2	1	100.00	50.00
69	Electricians.....	59	43	39	66.10	90.70
70	Elevatormen.....	160	112	110	62.50	98.21
71	Embalmers.....	1				
72	Engineers.....	153	92	77	50.33	83.70
73	Factory hands.....	1,556	1,479	1,382	88.32	93.44
74	Farm hands.....	1,090	1,130	988	90.64	87.43
75	Firemen.....	274	201	187	68.25	93.03
76	Florists.....	1				
77	Fruit pickers.....	23	25	23	100.00	82.00
78	Furnace tenders.....	1	1	1	100.00	100.00
79	Gatemen.....	13	16	13	100.00	81.25
80	Gardeners.....	155	158	143	92.26	90.51
81	Glass workers.....	2				
82	Grinders.....	1	1	1	100.00	100.00
83	Handymen.....	976	1,005	959	98.26	95.42
84	Harness makers.....	6	5	5	83.33	100.00
85	Harvest hands.....	52	61	52	100.00	86.25
86	Hod carriers.....	2	1	1	50.00	100.00
87	Horseshoers.....	1				
88	Hostlers.....	31	27	27	87.10	100.00
89	Hotel work.....	5	3	3	60.00	100.00
90	Housemen.....	1,557	1,456	1,429	91.78	98.18
91	Ice cutters.....	160	209	159	99.38	76.08
92	Interpreters.....	4	23	3	75.00	13.04
93	Iron workers.....	39	33	32	82.05	96.97
94	Janitors.....	565	469	458	81.06	97.65
95	Japanners.....	11	13	9	81.82	69.23
96	Kitchen work.....	266	250	246	92.48	98.40
97	Laborers.....	16,135	16,421	15,954	98.88	97.16
98	Laborers, railroad.....	4,266	4,991	4,178	97.94	83.71
99	Lathe hands.....	10	4	4	40.00	100.00
100	Laundrymen.....	73	65	65	89.04	100.00
101	Linemen.....	1				
102	Locksmiths.....	8	8	8	100.00	100.00
103	Machine hands.....	97	78	78	80.41	100.00
104	Machinists.....	396	328	259	65.40	78.96
105	Malsters.....	10	10	10	100.00	100.00
106	Managers.....	1	1	1	100.00	100.00
107	Masons, brick.....	8	7	7	87.50	100.00
108	Metal workers.....	60	59	51	85.00	86.41
109	Millwork.....	37	35	28	75.67	80.00
110	Millwrights.....	4	4	1	25.00	25.00
111	Miners.....	15	14	14	93.33	100.00
112	Molders.....	123	204	105	85.37	51.47
113	Molders' helpers.....	1				
114	Mortar mixers.....	1	1	1	100.00	100.00

Table 14—Continued.

Number.	OCCUPATIONS	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF—	
		Employment.	Help.		Positions secured applicants for employment.	Positions filled applicants for help.
115	Motormen	1				
116	Nurses	25	21	21	84.00	100.00
117	Office help	27	10	9	33.33	90.00
118	Oilers	6				
119	Packers	167	147	143	85.03	96.60
120	Painters	201	175	157	73.13	89.71
121	Paper hangers	8	7	6	75.00	85.71
122	Pantrymen	4	4	4	100.00	100.00
123	Panwashers	80	80	80	100.00	100.00
124	Pattern makers	18	22	11	61.11	50.00
125	Photographers	1				
126	Pin setters	36	44	36	100.00	81.82
127	Pipefitters	1	1	1	100.00	100.00
128	Plasterers	1	1	1	100.00	100.00
129	Plumbers	9	6	6	66.67	100.00
130	Polishers	7	5	5	71.43	100.00
131	Porters	1,373	1,258	1,243	90.31	98.81
132	Powder mill men	12	12	12	100.00	100.00
133	Pressmen	61	57	52	85.25	91.23
134	Printers	17	11	11	64.71	100.00
135	Punch press hands	24	15	15	62.50	100.00
136	Riggers	2	2	2	100.00	100.00
137	Roofers	16	20	15	93.75	75.00
138	Sailors	1				
139	Salesmen	68	57	50	73.52	87.72
140	Sawyers	18	17	17	94.44	100.00
141	Section men	92	161	92	100.00	57.14
142	Shoemakers	5	3	2	40.00	66.67
143	Showmen	1	1	1	100.00	100.00
144	Solicitors	69	80	58	84.06	72.50
145	Steamfitters	61	53	43	70.49	81.13
146	Stenographers	26	20	17	65.38	85.00
147	Stockkeepers	151	146	146	96.69	100.00
148	Stockmen	345	335	324	93.91	94.71
149	Stonecutters	1	1	1	100.00	100.00
150	Stone masons	1				
151	Storekeepers	1	1	1	100.00	100.00
152	Stovemmen	3	3	3	100.00	100.00
153	Switchmen	1	1	1	100.00	100.00
154	Tailors	9	7	6	66.67	85.71
155	Tallymen	2	2	2	100.00	100.00
156	Teachers, swimming	2	2	2	100.00	100.00
157	Teachers, not stated	9	8	8	88.89	100.00
158	Teamsters	846	773	745	88.06	98.33
159	Telegraphers	3	2	2	66.67	100.00
160	Tile setters	1	1	1	100.00	100.00
161	Timekeepers	6	2	2	33.33	100.00
162	Tinsmiths	148	164	127	85.81	77.44
163	Tobacco strippers	1	1	1	100.00	100.00
164	Toolmakers	3	2	2	66.67	100.00
165	Triphammerers	1	2	1	100.00	50.00
166	Truckmen	1,355	1,397	1,337	98.67	96.71
167	Upholsterers	29	58	29	100.00	50.00
168	Ushers	6	7	6	100.00	85.71
169	Vise hands	1				
170	Wagonmakers	7	7	5	71.43	71.43
171	Waiters	551	509	489	88.75	96.07
172	Watchmen	255	158	156	61.18	98.73
173	Well drillers	1	1	1	100.00	100.00
174	Whitewashers	4	4	4	100.00	100.00
175	Wholesale men	6				
176	Window dressers	1				
177	Window washers	499	536	485	97.19	90.49
178	Window wipers	2	2	2	100.00	100.00
179	Wood choppers	12	21	11	91.67	58.33
180	Wood finishers	3	3	1	33.33	33.33
181	Wood workers	21	21	21	100.00	100.00
182	Yardmen	207	200	194	93.72	97.00
183	Miscellaneous, not classified	1,017	967	960	97.00	99.25

Table 14—Concluded.

FEMALES.

Number.	OCCUPATIONS.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES OF—	
		Employment.	Help.		Positions secured applicants for employment.	Positions secured applicants for help.
	Total females	15,466	18,831	14,197	91.79	75.39
1	Addressers	15	14	9	60.00	64.29
2	Agents	2	3	3	100.00	100.00
3	Bakers	1	1	1	100.00	100.00
4	Bindery work	7	6	6	85.71	100.00
5	Bookkeepers	19	6	6	31.58	100.00
6	Bottle labelers	51	48	46	90.20	95.71
7	Canvassers	25	35	25	100.00	71.43
8	Cashiers	40	23	21	52.50	91.30
9	Cigarmakers	22	22	22	100.00	100.00
10	Cleaners	1	1	1	100.00	100.00
11	Clerks	96	79	58	60.42	82.86
12	Chambermaids	1,358	1,495	1,175	86.52	71.91
13	Checkers	1	1	1	100.00	100.00
14	Collectors	7	4	4	57.14	100.00
15	Companions	7	9	5	71.43	55.56
16	Cooks	1,226	1,497	1,065	86.17	71.14
17	Dayworkers	1,328	1,109	1,071	80.04	96.57
18	Demonstrators	18	21	16	88.89	76.19
19	Diningroom help	361	483	326	90.30	87.89
20	Dishwashers	1,047	1,161	963	91.98	82.95
21	Dishwipers	6	6	6	100.00	100.00
22	Distributors	2	2	2	100.00	100.00
23	Domestics	567	984	521	91.89	52.95
24	Dressmakers	5	5	4	80.00	80.00
25	Factory work	977	1,351	888	90.89	65.73
26	Folders, circular	12	16	12	100.00	75.00
27	General housework	3,478	5,097	3,208	92.24	63.94
28	Hotel help	14	7	7	50.00	100.00
29	Housekeepers	340	272	190	55.88	69.86
30	Ironers	5	5	5	100.00	100.00
31	Janitresses	30	12	9	45.00	75.00
32	Kitchen help	906	1,111	897	90.61	80.74
33	Labelers	6	6	6	100.00	100.00
34	Lady's maids	2	2	1	50.00	100.00
35	Laundresses	468	519	403	87.99	77.65
36	Linenroom work	4	4	4	100.00	100.00
37	Mail order help	6	8	6	100.00	75.00
38	Matrons	5	11	2	40.00	18.18
39	Milliners	2	1	1	50.00	50.00
40	Models	5	5	5	100.00	100.00
41	Nurses	215	229	160	74.42	69.87
42	Office work	151	120	64	42.38	53.33
43	Operators	9	12	9	100.00	75.00
44	Packers	2	2	2	100.00	100.00
45	Pantry work	191	196	148	74.49	75.51
46	Pastry cooks	8	7	5	75.00	85.71
47	Reception service	3	4	3	100.00	75.00
48	Saleswomen	8	3	3	37.50	100.00
49	Scrubwomen	796	818	667	83.78	81.54
50	Seamstresses	290	285	207	70.00	71.88
51	Second cooks	6	4	4	66.67	100.00
52	Second work	346	426	288	86.13	69.95
53	Silver women	14	16	14	100.00	87.50
54	Solicitors	25	39	22	88.00	56.41
55	Stenographers	95	52	35	36.84	67.31
56	Teachers	1	1	1	100.00	100.00
57	Telephone operators	3	2	2	66.67	100.00
58	Tobacco strippers	1	3	3	100.00	100.00
59	Tray work	1	1	1	100.00	100.00
60	Typewriters	2	1	1	50.00	100.00
61	Vegetable women	12	11	11	91.67	100.00
62	Waitresses	779	1,075	647	83.06	60.19
63	Wrappers	6	7	6	100.00	85.71
64	Miscellaneous, not classified	64	85	63	98.48	74.12

LEADING OCCUPATIONS.

The numerous occupations that are listed in the foregoing table and their accumulation seems to be unavoidable, have been condensed to a list of 28 for males and 19 for females. These represent, male applicants for employment, 84.61 per cent of the whole number registered; for females, 96.42 per cent. The applications of the employers as to numbers for both sexes bear substantially the same proportion. The number of males securing work ranges from 48.22 per cent for drivers, to 98.81 per cent for laborers, with an average 93.43 per cent for the whole number. For employers securing help the showing is even better; here the range is from 73.10 per cent for carpenters, to 100 per cent for drivers. For females, the number securing work was from 36.45 per cent for stenographers, to 92.23 per cent for general housework, with 86.76 per cent for the total number.

Help secured for employers was 52.94 per cent for domestics, 96.57 per cent for day workers.

TABLE 15—*Summary of the Leading Occupations, Showing Applications for Employment and Help, with Percentages.*

MALES.

Number.	OCCUPATIONS.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGE	
		Employment.	Help.		Securing work.	Secured help.
	Grand totals.....	50,457	53,720	46,139	91.44	
	Males.....	35,544	35,490	33,200	93.43	
	Females.....	14,913	18,230	12,939	86.76	
	Males.....	35,544	35,490	33,200	93.43	
1	Barmen.....	392	388	390	96.94	
2	Boys, bell, and other occupations.....	1,413	1,470	1,291	91.51	
3	Blacksmiths.....	121	114	92	76.03	
4	Carpenters.....	574	699	511	89.01	
5	Clerks, all kinds.....	527	297	288	86.52	
6	Cooks.....	601	563	520	86.52	
7	Dishwashers and kitchen work.....	1,014	977	965	95.16	
8	Drivers.....	141	68	68	48.22	100
9	Elevatormen.....	160	112	110	68.75	
10	Engineers.....	153	92	77	50.32	
11	Factory hands.....	1,556	1,479	1,382	89.39	
12	Farm hands.....	1,126	1,130	988	87.75	
13	Firemen.....	238	210	187	97.85	
14	Housemen.....	1,557	1,456	1,429	91.77	
15	Janitors.....	565	469	458	80.10	

Table 15—Concluded

Number.	OCCUPATIONS.	APPLICATIONS FOR—		Number of positions secured.	PERCENTAGES—	
		Employment.	Help.		Securing work.	Securing help.
16	Laborers.....	16,135	16,421	15,954	98.81	97.15
17	Laborers, railroad.....	4,266	4,991	4,178	97.93	83.71
18	Machinists and helpers.....	493	406	337	68.35	83.00
19	Packers.....	167	147	142	85.03	96.53
20	Painters.....	201	175	157	78.10	89.71
21	Porters.....	1,373	1,258	1,243	90.53	98.80
22	Salesmen.....	68	57	50	73.85	87.71
23	Stockmen.....	345	335	324	93.91	96.71
24	Teamsters.....	846	773	745	88.06	96.37
25	Waiters.....	551	509	489	88.74	96.07
26	Watchmen.....	255	158	156	61.17	98.73
27	Window washers.....	499	536	485	97.19	90.48
28	Yardmen.....	207	200	194	93.71	97.00

FEMALES.

	Females.....	14,913	18,230	12,939	86.76	70.97
1	Chambermaids.....	1,358	1,495	1,175	86.52	78.59
2	Cooks.....	1,236	1,497	1,065	86.16	71.14
3	Day work.....	1,338	1,109	1,071	80.04	96.57
4	Dining room help.....	361	483	326	90.30	67.49
5	Dishwashers.....	1,047	1,161	963	91.98	82.94
6	Domestic.....	567	964	521	91.88	52.94
7	Factory work.....	977	1,351	888	90.89	65.72
8	General housework.....	3,478	5,097	3,206	92.23	62.93
9	Housekeepers.....	340	273	190	55.88	69.56
10	Kitchen help.....	990	1,111	897	90.60	80.73
11	Laundresses.....	458	519	403	88.20	77.64
12	Nurses.....	215	229	160	74.41	69.86
13	Office work, bookkeeping.....	170	126	70	41.77	55.55
14	Pantry work.....	191	196	148	77.48	75.51
15	Scrubwomen.....	736	818	667	90.62	81.54
16	Seamstresses.....	230	228	207	90.00	90.78
17	Second work.....	346	426	298	86.12	69.95
18	Stenographers.....	96	52	35	36.45	67.30
19	Waitresses.....	779	1,075	647	83.05	60.18

GROUPING OF OCCUPATIONS.

All of the occupations shown in previous tables for employment for help, and for positions filled, have been grouped and classified, the males in nine classes and the females in seven classes, with the percentages in each class:

TABLE 16—*Classified Occupations of Applicants for Employment, Positions Secured and Applications for Help, in the Four Offices, with Percentages in Each Class.*

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
	Males.....	42,023	.....	*39,420	.....	42,077	.....
	AGRICULTURAL.....	1,774	100.00	1,598	100.00	1,777	100.00
1	Dairymen.....	72	4.06	68	4.25	68	3.82
2	Farm hands.....	1,126	63.47	998	61.83	1,130	63.59
3	Florists.....	1	.06				
4	Fruit pickers.....	23	1.30	23	1.44	25	1.41
5	Gardeners.....	155	8.74	143	8.95	158	8.89
6	Harvest hands.....	52	2.93	52	3.25	61	3.44
7	Stockmen.....	345	19.45	324	20.28	335	18.85
	CLERICAL.....	752	100.00	468	100.00	488	100.00
1	Bookkeepers.....	38	5.05	12	2.57	15	3.11
2	Cashiers.....	4	.53	3	.64	3	.62
3	Clerks, drug.....	3	.40	2	.43	2	.41
4	Clerks, hotel.....	2	.27	1	.21	1	.21
5	Clerks, shipping.....	52	6.92	48	10.26	48	9.83
6	Clerks, not stated.....	470	62.50	237	50.64	246	50.94
7	Stenographers.....	26	3.46	17	3.63	20	4.14
8	Stockkeepers.....	151	20.08	146	31.20	146	30.22
9	Timekeepers.....	6	.79	2	.42	2	.41
	COMMERCIAL.....	620	100.00	552	100.00	611	100.00
1	Agents.....	80	12.90	79	14.31	86	14.08
2	Boys, delivery.....	140	22.58	132	24.09	139	22.59
3	Boys, messenger.....	4	.65	4	.72	4	.65
4	Boys, office.....	42	6.77	38	6.90	38	6.22
5	Canvassers.....	104	16.78	101	18.29	112	18.33
6	Collectors.....	52	8.39	38	6.90	40	6.55
7	Distributors.....	51	8.23	49	8.87	49	8.02
8	Draftsmen.....	2	.32				.52
9	Managers.....	1	.16	1	.18	5	.82
10	Salesmen.....	68	10.97	50	9.06	57	9.33
11	Solicitors.....	69	11.13	58	10.50	50	8.19
12	Storekeepers.....	1	.16	1	.18	1	.16
13	Wholesale.....	6	.96				

* Including 364 positions secured from applications filed the previous year.

Table 16—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
	DOMESTIC SERVICE.....	5,213	100.00	4,761	100.00	4,888	100.00
1	Butlers.....	29	.56	27	.57	31	.64
2	Carpet layers.....	2	.04	2	.04	3	.06
3	Cooks.....	601	11.53	520	10.92	563	11.52
4	Dining room work.....	2	.04	2	.04	2	.04
5	Dishwashers.....	748	14.35	719	15.10	727	14.89
6	Housemen.....	1,557	29.87	1,429	30.02	1,456	29.82
7	Kitchen work.....	206	5.10	206	5.17	259	5.12
8	Pantrymen.....	4	.08	4	.08	4	.08
9	Panwashers.....	80	1.53	80	1.68	89	1.84
10	Porters.....	1,373	26.33	1,243	26.11	1,256	25.76
11	Waiters.....	551	10.57	499	10.27	589	12.02
	MANUAL LABOR.....	20,485	100.00	20,225	100.00	21,574	100.00
1	Hod carriers.....	2	.01	1	.01	1	.04
2	Laborers.....	16,135	78.73	15,954	78.89	16,421	76.11
3	Laborers, railroad.....	4,206	20.81	4,178	20.65	4,991	23.12
4	Section men.....	92	.45	92	.45	161	.75
	PROFESSIONAL.....	49	100.00	43	100.00	48	100.00
1	Actors.....	12	24.49	12	27.91	16	33.33
2	Architects.....					1	2.08
3	Artists.....	1	2.04				
4	Nurses.....	25	51.02	21	48.84	21	43.75
5	Teachers, swimming.....	2	4.08	2	4.65	2	4.17
6	Teachers, not stated.....	9	18.37	8	18.00	8	16.67
	TRADES.....	3,342	100.00	2,535	100.00	3,278	100.00
1	Bakers.....	60	1.79	46	1.77	55	1.68
2	Barbers.....	11	.33	9	.35	9	.28
3	Bartenders.....	44	1.32	27	1.04	29	.89
4	Bench hands.....	11	.33	3	.12	3	.09
5	Blacksmiths.....	121	3.62	92	3.55	114	3.46
6	Boilermakers.....	43	1.29	36	1.39	57	1.79
7	Bookbinders.....	2	.06				
8	Boxmakers.....	36	1.08	29	1.11	29	.89
9	Brass finishers.....	3	.09				
10	Brick layers.....	13	.39	11	.42	11	.34
11	Bridge builders.....	2	.06				
12	Butchers.....	29	.87	18	.69	20	.61
13	Cabinet makers.....	34	1.02	25	.96	57	1.74
14	Calciminers.....	10	.30	10	.39	10	.31
15	Candy makers.....	3	.09	3	.12	3	.09
16	Car builders.....	8	.24	8	.31	15	.46
17	Carpenters.....	574	17.18	511	19.69	689	21.33
18	Cigar makers.....	4	.12	1	.04	1	.03
19	Coal miners.....	66	1.97	66	2.54	117	3.57
20	Core makers.....	3	.09	1	.04	1	.03
21	Deck hands.....	24	.72	23	.89	24	.73
22	Die makers.....	1	.03			2	.06
23	Drill pressmen.....	96	2.57	45	1.73	45	1.37
24	Drop hammerers.....	1	.03	1	.04	2	.06
25	Electricians.....	59	1.77	39	1.50	43	1.31
26	Engineers.....	153	4.58	77	2.97	92	2.81
27	Firemen.....	238	7.12	187	7.21	201	6.10
28	Glassworkers.....	2	.06				
29	Harness makers.....	6	.18	5	.19	5	.15
30	Horseshoers.....	1	.03				
31	Iron workers.....	39	1.17	32	1.23	33	1.02
32	Japanners.....	11	.32	9	.35	13	.40

Table 16—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
33	Lathe hands.....	10	.29	4	.15	4	.13
34	Laundrymen.....	73	2.13	65	2.52	65	1.96
35	Locksmiths.....	8	.24	8	.31	8	.25
36	Machine hands.....	97	2.90	78	3.01	78	2.36
37	Machinists.....	396	11.85	259	9.96	328	10.01
38	Malsters.....	10	.29	10	.39	10	.30
39	Masons, brick.....	8	.24	7	.27	7	.22
40	Metal workers.....	60	1.79	51	1.96	59	1.77
41	Millwrights.....	4	.12	1	.04	4	.13
42	Miners.....	15	.45	14	.54	14	.43
43	Molders.....	123	3.68	105	4.04	204	6.22
44	Packers.....	167	5.00	142	5.47	147	4.49
45	Painters.....	201	6.01	157	6.05	175	5.34
46	Paper hangers.....	8	.24	6	.23	7	.22
47	Pattern makers.....	18	.54	11	.42	22	.69
48	Photographers.....	1	.03				
49	Pipefitter.....	1	.03	1	.04	1	.03
50	Plasterers.....	1	.03	1	.04	1	.03
51	Plumbers.....	9	.27	6	.23	6	.19
52	Polishers.....	7	.21	5	.19	5	.15
53	Pressmen.....	61	1.83	52	2.00	57	1.74
54	Printers.....	17	.51	11	.42	11	.34
55	Punch press hands.....	24	.72	15	.58	15	.46
56	Riggers.....	2	.06	2	.08	2	.06
57	Roofers.....	16	.47	15	.58	20	.61
58	Sawyers.....	18	.54	17	.65	17	.53
59	Shoemakers.....	5	.15	2	.08	3	.09
60	Steamfitters.....	61	1.83	43	1.66	53	1.62
61	Stonecutters.....	1	.03	1	.04	1	.03
62	Stone masons.....	1	.03				
63	Tailors.....	9	.27	6	.23	7	.21
64	Tinsmiths.....	148	4.43	127	4.89	164	5.00
65	Toolmakers.....	3	.09	2	.08	2	.07
66	Triphammerers.....	1	.03	1	.04	2	.06
67	Upholsterers.....	29	.87	29	1.11	58	1.77
68	Wagon makers.....	7	.21	5	.19	7	.21
69	Wood finishers.....	3	.09	1	.04	3	.09
70	Woodworkers.....	21	.63	21	.81	21	.65
TRANSPORTATION.		2,991	100.00	2,714	100.00	2,815	100.00
1	Barnmen.....	392	13.11	390	14.00	398	13.78
2	Coachmen.....	61	2.04	44	1.62	47	1.67
3	Drivers.....	141	4.71	68	2.51	68	2.42
4	Elevatormen.....	160	5.35	110	4.06	112	3.98
5	Hostlers.....	31	1.04	27	1.00	27	.96
6	Sailors.....	1	.03				
7	Switchmen.....	1	.03	1	.03	1	.04
8	Teamsters.....	846	28.29	745	27.45	773	27.46
9	Telegraphers.....	3	.10	2	.07	2	.07
10	Truckmen.....	1,355	45.80	1,337	49.26	1,397	49.62
MISCELLANEOUS.		6,787	100.00	6,100	100.00	6,608	100.00
1	Apprentices.....	35	.51	5	.08	6	.09
2	Awning men.....	1	.02	1	.02	1	.02
3	Blacksmith helpers.....	6	.09	4	.07	4	.07
4	Bootblacks.....	9	.13	9	.15	9	.15
5	Boys.....	1,113	16.40	1,004	16.46	1,173	17.76
6	Boys, bell.....	76	1.12	76	1.25	81	1.23
7	Boys, elevator.....	17	.25	16	.27	16	.25
8	Boys, errand.....	14	.21	13	.22	13	.20
9	Boys, hotel.....	7	.10	7	.11	7	.11
10	Brick makers.....	2	.03	2	.03	2	.03
11	Brush makers.....	4	.06	2	.03	6	.09
12	Canvassmen.....	7	.10	7	.12	9	.15
13	Carriage and wagon wash's	59	.87	92	.92	63	.96
14	Cement finishers.....	1	.02				

Table 16—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
15	Cleaners, harness.....	2	.03	2	.03	2	.03
16	Coffee men.....	3	.04	3	.05	3	.05
17	Concrete workers.....	1	.02				
18	Detective.....	1	.02				
19	Embalmer.....	1	.02				
20	Factory hands.....	1,556	22.92	1,382	22.66	1,479	22.39
21	Furnace tender.....	1	.02	1	.02	1	.02
22	Gate-men.....	13	.19	13	.22	16	.25
23	Grinder.....	1	.02	1	.02	1	.02
24	Handymen.....	976	14.38	959	15.56	1,005	15.06
25	Hotel work.....	5	.07	3	.05	3	.05
26	Ice cutters.....	160	2.36	159	2.61	209	3.16
27	Interpreters.....	4	.06	3	.05	23	.35
28	Janitors.....	565	8.32	458	7.51	469	7.10
29	Linemen.....	1	.02				
30	Mill work.....	37	.54	28	.46	35	.53
31	Molder helper.....	1	.02				
32	Mortar mixer.....	1	.02	1	.02	1	.02
33	Motorman.....	1	.02				
34	Office help.....	27	.40	9	.15	10	.15
35	Others.....	6	.09				
36	Pin setters.....	36	.53	36	.59	44	.67
37	Powder mill men.....	12	.18	12	.20	12	.18
38	Showman.....	1	.01	1	.02	1	.02
39	Stovemmen.....	3	.04	3	.05	3	.05
40	Tally men.....	2	.03	2	.03	2	.03
41	Tile setters.....	1	.01	1	.02	1	.02
42	Tobacco stripper.....	1	.01	1	.02	1	.02
43	Ushers.....	6	.09	6	.10	7	.11
44	Vise hand.....	1	.01				
45	Watchmen.....	255	3.76	156	2.56	158	2.39
46	Well drillers.....	1	.01	1	.02	1	.02
47	Whitewashers.....	4	.06	4	.07	4	.06
48	Window dressers.....	1	.01				
49	Window washers.....	499	7.35	485	8.00	536	8.11
50	Window wipers.....	2	.03	2	.03	2	.03
51	Wood choppers.....	12	.18	11	.19	21	.32
52	Yardmen.....	207	3.05	194	3.19	200	3.03
53	Miscellaneous, not classif'd	1,029	15.16	961	15.77	968	14.65

FEMALES.

FEMALES.....		15,466		*14,197		18,831	
CLERICAL.....		266	100.00	105	100.00	178	100.00
1	Bookkeepers.....	19	7.14	6	5.72	6	3.37
2	Office work.....	151	56.77	64	60.95	120	67.42
3	Stenographers.....	96	36.09	35	33.33	52	29.21
COMMERCIAL.....		298	100.00	219	100.00	275	100.00
1	Addressers.....	15	5.03	9	4.11	14	5.09
2	Bottle labelers.....	51	17.11	46	21.00	48	17.45
3	Canvassers.....	25	8.39	25	11.42	35	12.73
4	Cashiers.....	40	13.42	21	9.59	23	8.36
5	Clerks.....	96	32.22	58	26.48	70	25.45
6	Checkers.....	1	.34	1	.46	1	.36
7	Collectors.....	7	2.35	4	1.82	4	1.46
8	Demonstrators.....	18	6.04	16	7.31	21	7.64
9	Distributors.....	2	.67	2	.91	2	.73
10	Mail order help.....	6	2.01	6	2.74	8	2.91
11	Saleswomen.....	8	2.69	3	1.37	3	1.09
12	Solicitors.....	23	7.72	22	10.05	39	14.18
13	Wrappers.....	6	2.01	6	2.74	7	2.55

*Including 819 positions secured from applications filed previous year.

Table 16—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
		Number.	Percent-ages of each class.	Number.	Percent-ages of each class.	Number.	Percent-ages of each class.
	DOMESTIC SERVICE.....	13,285	100.00	11,628	100.00	16,297	100.00
1	Chambermaids.....	1,358	10.22	1,175	10.11	1,495	9.18
2	Cooks.....	1,236	9.30	1,065	9.16	1,497	9.19
3	Day workers.....	1,338	10.07	1,071	9.21	1,109	6.81
4	Dining room help.....	361	2.72	326	2.80	488	2.97
5	Dishwashers.....	1,047	7.88	963	8.28	1,161	7.13
6	Dishwipers.....	6	.05	6	.05	6	.04
7	Domestics.....	567	4.27	521	4.48	984	6.04
8	General housework.....	3,478	26.18	3,208	27.59	5,097	31.28
9	Hotel help.....	14	.11	7	.06	7	.04
10	Housekeepers.....	340	2.56	190	1.63	273	1.68
11	Ironers.....	5	.04	5	.04	5	.03
12	Kitchen help.....	990	7.45	897	7.71	1,111	6.82
13	Laundresses.....	458	3.46	403	3.47	519	3.18
14	Linen room work.....	4	.03	4	.04	4	.03
15	Pantry work.....	191	1.44	148	1.27	196	1.20
16	Pastry cooks.....	8	.06	6	.05	7	.04
17	Reception service.....	3	.02	3	.03	4	.03
18	Scrub women.....	736	5.54	667	5.74	818	5.02
19	Second cooks.....	6	.04	4	.04	4	.03
20	Second work.....	346	2.60	298	2.56	426	2.62
21	Silver women.....	14	.11	14	.12	16	.10
22	Waitresses.....	779	5.86	647	5.56	1,075	6.54
	PERSONAL SERVICE.....	14	100.00	9	100.00	17	100.00
1	Companions.....	7	50.00	5	55.56	9	52.94
2	Ladys maid.....	2	14.29	2	22.22	2	11.76
3	Matrons.....	5	35.71	2	22.22	6	35.30
	PROFESSIONAL.....	216	100.00	161	100.00	230	100.00
1	Nurses.....	215	99.54	160	99.38	229	99.57
2	Teacher.....	1	.46	1	.62	1	.43
	TRADES.....	260	100.00	235	100.00	317	100.00
1	Baker.....	1	.39	1	.43	1	.32
2	Cigar makers.....	22	8.46	22	9.36	22	6.94
3	Dressmakers.....	5	1.92	4	1.70	5	1.58
4	Milliners.....	2	.77	1	.43	1	.31
5	Seamstresses.....	230	88.46	207	88.08	288	90.85
	MISCELLANEOUS.....	1,127	100.00	1,021	100.00	1,517	100.00
1	Agents.....	3	.26	3	.29	3	.19
2	Bindery work.....	7	.62	6	.59	6	.40
3	Cleaner.....	1	.09	1	.10	1	.07
4	Factory work.....	977	86.69	888	86.97	1,351	89.06
5	Folders, circular.....	12	1.06	12	1.17	16	1.05
6	Janitresses.....	20	1.77	9	.88	12	.79
7	Labelers.....	6	.53	6	.59	6	.40
8	Models.....	5	.44	5	.49	6	.33
9	Operators.....	9	.80	9	.88	12	.79
10	Packers.....	2	.18	2	.20	2	.13
11	Telephone operators.....	3	.27	2	.20	2	.13
12	Tobacco strippers.....	3	.27	3	.29	3	.19
13	Tray work.....	1	.09	1	.10	1	.07
14	Typewriters.....	2	.18	.....	.....	1	.07
15	Vegetable women.....	12	1.07	11	1.08	11	.73
16	Miscellaneous, not classif'd	64	5.68	63	6.17	85	5.60

RECAPITULATION OF GROUPING.

The totals of the several groups shown in Table 16 for both sexes are recapitulated and shown in the following table:

TABLE 17—*Classified Occupations (Males and Females) with Percentages.*

Number.	SEX AND CLASSIFICATION OF OCCUPATION.	Number of occupations in each class.	APPLICATIONS FOR EMPLOYMENT.		POSITIONS SECURED.		APPLICATIONS FOR HELP.	
			Number.	Percentages.	Number.	Percentages.	Number.	Percentages.
	MALES		42,023	100.00	39,420	100.00	42,077	100.00
	Not classified.....				364			
	Total.....				39,056			
1	Agricultural.....	7	1,738	4.14	1,598	4.09	1,777	4.22
2	Clerical.....	9	752	1.79	468	1.20	483	1.15
3	Commercial.....	13	620	1.48	552	1.41	611	1.45
4	Domestic services.....	11	5,213	12.41	4,761	12.19	4,883	11.61
5	Manual labor.....	4	20,495	48.77	20,225	51.79	21,574	51.27
6	Professional.....	6	49	.11	43	.11	48	.11
7	Trades.....	70	3,378	8.03	2,595	6.64	3,278	7.79
8	Transportation.....	11	2,991	7.12	2,714	6.95	2,815	6.69
9	Miscellaneous.....	53	6,787	16.15	6,100	15.62	6,608	15.71
	FEMALES		15,466		14,197		18,831	
	Not classified.....				819			
	Total.....				13,378			
1	Clerical.....	3	295	1.72	105	.78	178	.95
2	Commercial.....	13	298	1.93	219	1.64	275	1.46
3	Domestic services.....	22	13,285	85.90	11,628	86.92	16,297	86.54
4	Personal service.....	3	14	.09	9	.07	17	.09
5	Professional.....	2	216	1.39	161	1.20	230	1.22
6	Trades.....	5	280	1.68	235	1.76	317	1.68
7	Miscellaneous.....	16	1,127	7.29	1,021	7.63	1,517	8.06

Of the whole number of males registered for employment 48.77 per cent was for manual labor; this class comprised 51.79 per cent of positions secured and 51.27 per cent of the help supplied. For females it is found that 85.90 per cent of the whole number was seeking employment in domestic service; for positions secured 86.92 per cent was in the same class, and supplied 86.54 per cent of the applications for help.

PERCENTAGES OF POSITIONS SECURED.

By omitting the miscellaneous class, as shown in Table 17, the number of employés and employers with the number of positions secured have been reduced to percentages and are shown in the following table:

TABLE 18—*Percentages of Positions Secured to Employé and Employer.*

OCCUPATIONS.	MALES.		FEMALES.	
	PERCENTAGES—POSITIONS SECURED FOR—		PERCENTAGES—POSITIONS SECURED FOR—	
	Employé.	Employer.	Employé.	Employer.
Agriculture.....	91.94	89.93		
Clerical.....	62.23	96.89	39.47	58.99
Commercial.....	89.03	90.34	73.49	79.64
Domestic service.....	91.33	97.50	87.53	71.35
Manual labor.....	96.68	93.75		
Personal service.....			64.29	52.94
Professional.....	87.76	89.58	74.54	70.00
Trades.....	76.82	79.16	90.98	74.13
Transportation.....	90.74	96.41		
Total.....	93.53	92.91	86.18	71.37

This is the condensed results of the work compassed by the four offices during the past year. Observing these percentages for both males and females, for whom positions were secured, should satisfy the public generally of the energetic and efficient agency of these offices in procuring employment to all who may seek this aid tendered by the State. On the other hand, the employer has in like manner been benefited in securing the assistance desired.

Attention is directed to domestic service. There were 16,297 applications filed by employers for female domestic service, this is 86.5 per cent of the whole number registered for all industries. Of the number wanting this class of service 11,628, or 71.35 per cent, were supplied.

This large percentage of domestic help furnished by these offices may be questioned by many individual matrons, but this is the record of the offices and can be easily demonstrated.

AGES OF APPLICANTS FOR EMPLOYMENT.

The grouping of industries is continued, and shows by sexes in Table 19 the classified ages of the 57,489 persons who registered for employment.

TABLE 19—Age Periods by Sexes of Applicants for Employment in Classified Occupations.

Number.	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not reported.
	Males—42,023.....	4,966	16,117	11,973	6,703	1,437	153	654
	North Side Office.....	704	2,718	1,571	913	261	34	24
	South Side Office.....	2,039	4,303	3,639	1,769	527	28	.....
	West Side Office.....	1,360	5,194	4,676	3,132	327	88	596
	Peoria Office.....	883	3,902	2,087	969	322	3	35
	AGRICULTURAL.....	219	708	551	184	47	3	26
1	Dairymen.....	9	37	21	5	.....	.....	.....
2	Farm hands.....	172	476	344	53	18	1	26
3	Florists.....	.....	1	.....	.....	.....	.....	.....
4	Fruit pickers.....	13	10	.....	.....	.....	.....	.....
5	Gardeners.....	8	62	38	25	21	1	.....
6	Harvest hands.....	2	20	28	.....	.....	.....	.....
7	Stockmen.....	15	102	120	99	8	1	.....
	CLERICAL.....	87	437	147	54	15	4	8
1	Bookkeepers.....	2	19	9	4	2	1	1
2	Cashiers.....	.....	4	.....	.....	.....	.....	.....
3	Clerks, drug.....	.....	3	.....	.....	.....	.....	.....
4	Clerks, hotel.....	.....	1	.....	.....	.....	.....	1
5	Clerks, shipping.....	.....	19	23	7	3	.....	.....
6	Clerks, not stated.....	73	235	72	31	7	2	.....
7	Stenographers.....	6	15	5	.....	.....	.....	.....
8	Stock keepers.....	6	87	37	12	3	.....	6
9	Time keepers.....	.....	4	1	.....	.....	1	.....
	COMMERCIAL.....	232	211	120	45	11	1	.....
1	Agent.....	11	45	19	4	1	.....	.....
2	Boys, delivery.....	140	.....	.....	.....	.....	.....	.....
3	Boys, messenger.....	4	.....	.....	.....	.....	.....	.....
4	Boys, office.....	41	1	.....	.....	.....	.....	.....
5	Canvassers.....	7	44	35	15	3	.....	.....
6	Collectors.....	7	29	10	5	1	.....	.....
7	Distributors.....	9	30	9	3	.....	.....	.....
8	Draughtsmen.....	.....	1	1	.....	.....	.....	.....
9	Managers.....	.....	.....	1	.....	.....	.....	.....
10	Salesmen.....	8	25	22	9	4	.....	.....
11	Solicitors.....	5	30	22	9	2	1	.....
12	Storekeepers.....	.....	.....	1	.....	.....	.....	.....
13	Wholesale men.....	.....	6	.....	.....	.....	.....	.....
	DOMESTIC SERVICE.....	696	1,868	1,385	968	339	34	33
1	Butlers.....	2	12	10	4	1	.....	.....
2	Carpet layers.....	.....	2	.....	.....	.....	.....	.....
3	Cooks.....	55	267	201	53	18	1	6
4	Diningroom work.....	.....	2	.....	.....	.....	.....	.....
5	Dishwashers.....	116	197	175	163	88	4	5
6	Housemen.....	119	509	442	335	139	8	5
7	Kitchen work.....	57	60	58	69	17	2	3
8	Pantrymen.....	2	1	1	.....	.....	.....	.....
9	Panwashers.....	7	36	26	10	1	.....	.....
10	Porters.....	174	493	397	210	74	19	6
11	Waiters.....	154	289	75	24	1	.....	8

Table 19—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not reported.
	MANUAL LABOR.....	1,226	7,668	6,473	4,058	606	79	385
1	Hod carriers.....		1	1				
2	Laborers.....	699	5,883	4,946	3,612	565	75	385
3	Laborers, railroad.....	553	1,742	1,485	441	41	4	
4	Section men.....	4	42	41	5			
	PROFESSIONAL.....	3	20	18	8			
1	Actors.....	2	7	2	1			
2	Architects.....							
3	Artists.....		1					
4	Nurses.....	1	10	9	5			
5	Teachers, sewing.....			2				
6	Teachers, not stated.....		2	5	2			
	TRADES.....	281	1,627	863	438	119	11	39
1	Bakers.....	8	39	11	2			
2	Barbers.....	1	8	2				
3	Bartenders.....	3	22	13	5	1		
4	Bench hands.....	1	9	1				
5	Blacksmiths.....	4	71	26	15	5		
6	Boiler makers.....		28	11	4			
7	Bookbinders.....		1					
8	Boxmakers.....	3	25	7				
9	Brass finishers.....		2	1	1			
10	Bricklayers.....		3	5		1		
11	Bridge builders.....		2		4			
12	Butchers.....		14	9		2		1
13	Cabinet makers.....		14	12	2	4		1
14	Calcinimers.....	2	4	3	1			
15	Candy makers.....	1	2					
16	Car builders.....		4	1				
17	Carpenters.....	12	195	153	127	60	7	20
18	Cigar makers.....	1	2		1			
19	Coal miners.....	8	42	13	3			
20	Coremakers.....		3					
21	Deck hands.....		11	11	2			
22	Die makers.....		1					
23	Drill pressmen.....	38	45	3				
24	Drophammerers.....			1				
25	Electricians.....	9	27	17	6			
26	Engineers.....	3	49	54	36	8	1	2
27	Firemen.....	15	132	83	32	6		6
28	Glassworkers.....		2	2				
29	Harness makers.....		2	3	1			
30	Horseshoers.....		1					
31	Ironworkers.....		16	9		1		
32	Japanner.....	6	2	7	2			
33	Lathe hands.....	1	9					
34	Laundrymen.....	12	25	22	10	4		
35	Locksmiths.....		3	4	1			
36	Machine hands.....	40	51	6				
37	Machinists.....	24	220	89	45	16		2
38	Malsters.....	2	6	2				
39	Masons, brick.....		6	2				
40	Metal workers.....	5	41	7	6		1	
41	Millwrights.....		2	1	1			
42	Miners.....		5	7	3			
43	Molders.....	1	70	39	13			
44	Packers.....	27	70	46	22		1	1
45	Painters.....	15	100	54	28	2		2
46	Paper hangers.....	1	3	2	1	1		
47	Pattern makers.....		13	3	1	1		
48	Photographers.....		1					
49	Pipefitters.....		1					
50	Plasterers.....		1					
51	Plumbers.....		4	2	2			
52	Polishers, metal.....	1	4					
53	Pressmen.....	5	37	14	5			

Table 19—Continued.

ANNUITY	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not re- ported.
	TRADES—Concluded.							
4	Printers		7	7	3			
5	Punch press hands	11	12	1				
6	Riggers		1	1				
7	Roofers	2	6	5	3			
8	Sawyers		10	6	2			
9	Shoemakers		4	1				
10	Steamfitters	1	30	18	8	1		3
11	Stonecutters		1					
12	Stone masons		1					
13	Tailors		3	2	4			
14	Tinsmiths	14	71	41	16	6		
15	Toolmakers		2	1				
16	Triphammerers		1					
17	Upholsterers		12	12	5			
18	Wagon makers		1	4	1			1
19	Wood finishers	1	2					
20	Woodworkers		15	4	1		1	
	TRANSPORTATION	325	1,246	924	378	51	3	64
1	Barnmen	4	125	148	93	18	2	2
2	Coachmen		33	22	5	1		
3	Drivers	44	71	16	8	1		1
4	Elevatormen	39	48	40	23	9	1	
5	Hostlers	2	19	6	2	1		1
6	Sailors		1					
7	Switchmen			1				
8	Teamsters	80	352	301	89	18		6
9	Telegraphers		2	1				
10	Truckmen	156	595	389	158	3		54
	MISCELLANEOUS	1,927	2,334	1,490	670	249	18	99
1	Apprentices	21	14					
2	Awningmen			1				
3	Blacksmith helpers	2	3	1				
4	Bootblacks	7	2					
5	Boys	1,018	94					1
6	Boys, bell	76						
7	Boys, elevator	17						
8	Boys, errand	14						
9	Boys, hotel	7						
10	Brickmakers			2				
11	Brushmakers		2	2				
12	Canvasmen		5	2				
13	Carriage and wagon washers	1	27	19	9	3		
14	Cement finishers		1					
15	Cleaners, harness			1				1
16	Coffee men		1	2				
17	Concrete workers		1					
18	Detectives				1			
19	Embalmers		1					
20	Factory hands	515	647	196	101	84	1	12
21	Furnace tenders				1			
22	Gatekeepers		3		5	3	2	
23	Grinders	1						
24	Handymen	71	396	338	189	26	4	1
25	Hotel work		3	1	1			
26	Ice cutters	32	80	35	12	1		
27	Interpreters				4			
28	Janitors	28	169	199	116	45	8	5
29	Linemen			1				
30	Mill work		17	8	7	5		
31	Molder helpers		1					
32	Mortar mixers			1				
33	Motormen		1					
34	Office help	4	19	1	1	1		
35	Oilers	1	5					
36	Pinsetters	36						
37	Powder mill men		5	7				
38	Showmen		1					
39	Stovemenn			3				

Table 19—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not reported.
	MANUAL LABOR	1,226	7,668	6,473	4,058	806	79	385
1	Hod carriers.....	699	1	1	3,612	565	75	385
2	Laborers.....	553	1,742	1,485	441	41	4	
3	Laborers, railroad.....	4	42	41	5			
4	Section men.....							
	PROFESSIONAL	3	20	18	8			
1	Actors.....	2	7	2	1			
2	Architects.....							
3	Artists.....		1					
4	Nurses.....	1	10	9	5			
5	Teachers, sewing.....			2				
6	Teachers, not stated.....		2	5	2			
	TRADES	281	1,627	863	438	119	11	39
1	Bakers.....	8	39	11	2			
2	Barbers.....	1	8					
3	Bartenders.....	3	22	13	5	1		
4	Bench hands.....	1	9	1				
5	Blacksmiths.....	4	71	26	15	5		
6	Boiler makers.....		28	11	4			
7	Bookbinders.....	1	1					
8	Boxmakers.....	3	25	7	1			
9	Brass finishers.....		2					
10	Bricklayers.....		3	5	4	1		
11	Bridge builders.....		2					
12	Butchers.....		14	9				1
13	Cabinet makers.....	1	14	12	2	2		1
14	Calclminers.....	2	4	3	1	4		
15	Candy makers.....	1	2					
16	Car builders.....		4	1	3			
17	Carpenters.....	12	195	153	127	60	7	20
18	Cigar makers.....	1	2		1			
19	Coal miners.....	8	42	13	3			
20	Coremakers.....		3					
21	Deck hands.....		11	11	2			
22	Die makers.....		1					
23	Drill pressmen.....	38	45	3				
24	Drophammerers.....			1				
25	Electricians.....	9	27	17	6			
26	Engineers.....	3	49	54	36	8	1	2
27	Firemen.....	15	132	83	32	6		6
28	Glassworkers.....			2				
29	Harness makers.....		2	3	1			
30	Horseshoers.....		1					
31	Ironworkers.....	6	16	9	7	1		
32	Japanner.....		2	7	2			
33	Lathe hands.....	1	9					
34	Laundrymen.....	12	25	22	10	4		
35	Locksmiths.....		3	4	1			
36	Machine hands.....	40	51	6				
37	Machinists.....	24	220	89	45	16		2
38	Malsters.....	2	6	2				
39	Masons, brick.....		6	2				
40	Metal workers.....	5	41	7	6		1	
41	Millwrights.....		2	1	1			
42	Miners.....		5	7	3			
43	Molders.....	1	70	39	13			
44	Packers.....	27	70	46	22		1	1
45	Painters.....	15	100	54	23	2		2
46	Paper hangers.....	1	3	2	1	1		
47	Pattern makers.....		13	3	1	1		
48	Photographers.....		1					
49	Pipefitters.....		1					
50	Plasterers.....		1					
51	Plumbers.....		4	2	2			
52	Polishers, metal.....	1	4	2				
53	Pressmen.....	5	37	14	5			

Table 19—Continued.

Number	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not re-reported.
	TRADES—Concluded.							
54	Printers		7	7	3			
55	Punch press hands	11	12	1				
56	Riggers		1	1				
57	Roofers	2	6	5	3			
58	Sawyers		10	6	2			
59	Shoemakers		4	1				
60	Steamfitters	1	30	18	8	1		3
61	Stonecutters		1					
62	Stone masons		1					
63	Tailors		3	2	4			
64	Tinsmiths	14	71	41	16	6		
65	Toolmakers		2	1				
66	Triphammerers		1					
67	Upholsterers		12	12	5			
68	Wagon makers		1	4	1			1
69	Wood finishers	1	2					
70	Woodworkers		15	4	1		1	
	TRANSPORTATION	325	1,246	924	378	51	3	64
1	Barnmen	4	125	145	93	18	2	2
2	Coachmen		33	22	5	1		
3	Drivers	44	71	16	8	1		1
4	Elevatormen	39	48	40	23	9	1	
5	Hostlers	2	19	6	2	1		1
6	Sailors		1					
7	Switchmen			1				
8	Teamsters	80	352	301	89	18		6
9	Telegraphers		2	1				
0	Truckmen	156	595	389	158	3		54
	MISCELLANEOUS	1,927	2,334	1,490	670	249	18	99
1	Apprentices	21	14					
2	Awningmen			1				
3	Blacksmith helpers	2	3	1				
4	Bootblacks	7	2					
5	Boys	1,018	94					1
6	Boys, bell	76						
7	Boys, elevator	17						
8	Boys, errand	14						
9	Boys, hotel	7						
0	Brickmakers			2				
1	Brushmakers		2	2				
2	Canvasmen		5	2				
3	Carriage and wagon washers	1	27	19	9	3		
4	Cement finishers		1					
5	Cleaners, harness			1				1
6	Coffee men		1	2				
7	Concrete workers		1					
8	Detectives				1			
9	Embalmers		1					
0	Factory hands	515	647	196	101	84	1	12
1	Furnace tenders				1			
2	Gatemens		3		5	3	2	
3	Grinders	1						
4	Handymen	71	398	338	138	26	4	1
5	Hotel work		3	1	1			
6	Ice cutters	32	80	35	12	1		
7	Interpreters				4			
8	Janitors	28	169	199	116	45	3	5
9	Linemen			1				
0	Mill work		17	8	7	5		
1	Molder helpers		1					
2	Mortar mixers			1				
3	Motormen		1					
4	Office help	4	19	1	1	1		
5	Oilers	1	5					
6	Pinsetters	36						
7	Powder mill men		5	7				
8	Showmen		1					
9	Stovemans			3				

Table 19—Continued.

Number	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20, but under 30 yrs.	30, but under 40 yrs.	40, but under 50 yrs.	50, but under 60 yrs.	60 yrs. and over.	Not reported.
40	Tallymen			1	1			
41	Tile setters			1				
42	Tobacco strippers		1					
43	Ushers	4	2					
44	Vise hands		1					
45	Watchmen		15	80	90	61	5	4
46	Well drillers							1
47	Whitewashers		3	1				1
48	Window dressers		1					
49	Window washers	43	242	145	55	2		12
50	Window wipers							2
51	Wood choppers		2	6				4
52	Yardmen	1	54	108	26	9	2	5
53	Miscellaneous, not classified	23	513	329	100	9	1	50
	Females—15,486	2,625	5,621	4,105	2,944	466	29	577
	North Side Office	576	1,346	873	912	274	15	390
	South Side Office	776	1,617	1,424	453	130	1	8
	West Side Office	742	1,430	1,083	493	27	4	78
	Peoria Office	531	1,236	775	196	42	8	101
	CLERICAL	100	140	21	2			3
1	Bookkeepers	2	16	1				
2	Office work	54	79	15	2			1
3	Stenographers	44	45	5				2
	COMMERCIAL	110	139	37	7			5
1	Addressers	12	2					1
2	Bottle labelers	37	28	1				
3	Canvassers	2	12	6	3			2
4	Cashiers	21	11	6	2			
5	Clerks	28	50	7				2
6	Checkers		1					
7	Collectors	1	2	4	1			
8	Demonstrators		8	9				
9	Distributors		2					
10	Mail order help	3	3					
11	Saleswomen	5	3					
12	Solicitors	8	10	4	1			
13	Wrappers	3	8					
	DOMESTIC SERVICE	1,601	4,690	3,967	1,975	456	23	533
1	Chambermaids	168	702	394	118	22	1	43
2	Cooks	25	284	532	273	40	1	81
3	Day workers	31	277	595	391	96	5	63
4	Diningroom help	91	230	30	6		1	3
5	Dishwashers	96	267	306	218	62	3	35
6	Dishwipers		1	2	1	2		
7	Domestics	74	250	127	87	13		16
8	General housework	608	1,512	679	392	159	5	129
9	Hotel help		8	5				1
10	Housekeepers	2	37	106	94	13		26
11	Ironers		2	1	2			
12	Kitchen help	76	249	496	177	17	4	61
13	Laundresses	15	148	131	135	15	2	12
14	Linen room work			3				1
15	Pantry work	29	90	54	13			5
16	Pastry cook		3	3				2
17	Reception service		2	1				
18	Scrubwomen	11	151	369	147	26		32
19	Second cooks	2	2	2				
20	Second work	134	147	43	11			11
21	Silver women		2	7		1	1	
22	Waitresses	244	496	52	7			10

Table 19—Concluded.

Number	CLASSIFICATION OF OCCUPATIONS.	Under 20 yrs.	20. but under 20 yrs.	30. but under 40 yrs.	40. but under 50 yrs.	50. but under 60 yrs.	60 yrs. and over.	Not reported.
	PERSONAL SERVICE.		4	4	4	1		1
1	Companions		2	2	2			1
2	Lady's maid		1	1				
3	Matrons		1	1	2	1		
	PROFESSIONAL.	104	61	25	16	3		7
1	Nurses	104	60	25	16	3		7
2	Teachers		1					
	TRADES.	50	154	32	8	1	5	10
1	Baker			1				
2	Cigarmaker	2	16	3	1			
3	Dressmakers		3	1	1			
4	Milliners	1	1					
5	Seamstresses	47	184	27	6	1	5	10
	MISCELLANEOUS.	668	301	106	30	4		18
1	Agents	1	2					
2	Bindery work	1	3	3				
3	Cleaners				1			
4	Factory work	618	244	76	19	3		17
5	Folders, circular	11	1					
6	Janitresses		4	9	7			
7	Labelers	2	4					
8	Models		4	1				
9	Operators	1	7			1		
10	Packers		2					
11	Telephone operators	2	1					
12	Tobacco strippers	3						
13	Tray work			1				
14	Typewriters	2						
15	Vegetable women	5	3	3				1
16	Miscellaneous, not classified....	22	26	13	3			

In reading this table the percentages obtained are exclusive of the number classed as not reported. Of the males 12.05 per cent and females 17.63 per cent were under twenty years of age; 28,090 males, or 67.9 per cent were between 20 and 40 years of age; 9,726 females, or 63.32 per cent, were of the same range of ages. From 40 to 60 years of age the males number 8,140 to 19.68 per cent; for the same ages females numbered 2,510, or 16.86 per cent.

Of the whole number of applicants less than one-third of one per cent were over 60 years of age.

The whole number of persons of both sexes whose ages are shown in all of the occupations in the several industries in Table 19 are brought forward, and the ages shown by industries and by decades in the following table:

TABLE 20—*Summary of Age Periods of Applicants by Classified Occupations.*

SEX AND CLASS OF OCCUPATIONS.	Number of oc- cupations in each class.	Totals.	Under 20 years.	20, but under 30 years.	30, but under 40 years.	40, but under 50 years.	50, but under 60 years.	60 years and over.	Not reported.
Percentages of both sexes	.....	.....	13.53	38.64	28.58	15.55	3.38	0.32	.....
Percentage of males	.....	.....	12.05	38.96	28.94	16.20	3.48	.37	.....
Percentage of females	.....	.....	17.63	37.75	27.57	13.73	3.13	.19	.....
Both sexes	247	57,489	7,611	21,738	16,078	8,747	1,908	181	1,231
MALES	183	42,023	4,966	16,117	11,973	6,703	1,437	153	654
Agriculture	7	1,738	219	708	551	184	47	3	26
Clerical	9	752	87	437	147	54	15	4	8
Commercial	13	620	232	211	120	45	11	1	.....
Domestic service	11	5,213	696	1,868	1,385	868	339	34	33
Manual labor	4	20,495	1,226	7,668	6,473	4,058	606	79	385
Professional	6	49	3	20	18	8	.....	.....	.....
Trades	70	3,378	261	1,627	863	438	119	11	39
Transportation	10	2,991	325	1,246	924	378	51	3	64
Miscellaneous	53	6,787	1,920	2,334	1,490	670	249	18	99
FEMALES	64	15,466	2,625	5,621	4,105	2,044	466	28	577
Clerical	3	266	100	140	21	2	.....	.....	3
Commercial	13	298	110	139	37	7	.....	.....	5
Domestic service	22	13,285	1,601	4,830	3,967	1,975	456	23	533
Personal service	3	14	.....	4	4	4	1	.....	1
Professional	2	216	104	61	25	16	3	.....	7
Trades	5	260	50	154	32	8	1	5	10
Miscellaneous	16	1,127	668	301	106	30	4	.....	18

CONJUGAL RELATIONS, ETC.

The classification of the industries, and the several occupations therein, is observed in the following table, showing the conjugal relationship of both sexes:

TABLE 21—*Conjugal Conditions, Members of Trades Unions, Days Idle, and Number Willing to Accept Work Out of City.*

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	MALES..... 42,023	11,534	30,489	8,441	2,278	33,718	6	15,442
	North Side Office.....	1,553	4,672	1,305	131	6,048	8	760
	South Side Office.....	3,175	9,130	4,374	1,549	12,274	3	6,278
	West Side Office.....	4,772	10,600	2,540	454	15,357	6	6,906
	Peoria Office.....	2,034	6,087	222	144	.....	.....	1,498
	AGRICULTURAL.....	213	1,561	222	2	1,291	7	1,310
1	Dairymen.....	14	58	16	.....	35	3	54
2	Farm hands.....	83	1,043	61	2	810	8	1,057
3	Florists.....	.....	1	.....	.....	.....	.....	.....
4	Fruit pickers.....	.....	23	.....	.....	.....	.....	.....
5	Gardeners.....	44	111	45	.....	101	5	57
6	Harvest hands.....	4	48	.....	.....	.....	.....	.....
7	Stockmen.....	68	277	100	.....	345	4	142
	CLERICAL.....	129	623	177	91	640	17	201
1	Bookkeepers.....	9	29	12	.....	33	17	21
2	Cashiers.....	.....	4	.....	.....	.....	.....	.....
3	Clerks, drug.....	.....	3	.....	.....	.....	.....	.....
4	Clerks, hotel.....	.....	2	.....	.....	.....	.....	.....
5	Clerks, shipping.....	17	35	33	26	51	5	12
6	Clerks, not stated.....	86	384	112	62	377	6	32
7	Stenographers.....	5	21	9	.....	24	4	9
8	Stockkeepers.....	11	140	11	3	151	20	65
9	Timekeepers.....	1	5	.....	.....	4	6	2
	COMMERCIAL.....	132	488	88	.....	177	10	164
1	Agents.....	24	56	21	.....	12	2	28
2	Boys, delivery.....	.....	140	.....	.....	.....	.....	.....
3	Boys, messenger.....	.....	4	.....	.....	.....	.....	.....
4	Boys, office.....	.....	42	.....	.....	11	24	4
5	Canvassers.....	43	61	10	.....	22	9	39
6	Collectors.....	16	36	10	.....	21	12	10
7	Distributors.....	8	43	14	.....	26	5	10
8	Draughtsmen.....	1	1	.....	.....	.....	.....	1
9	Managers.....	.....	1	.....	.....	.....	.....	.....
10	Salesmen.....	20	48	21	.....	47	10	32
11	Solicitors.....	20	49	12	.....	32	11	37
12	Storekeepers.....	.....	1	.....	.....	.....	.....	.....
13	Wholesalers.....	.....	6	.....	.....	6	9	3

Table 21—Continued.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of town.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	DOMESTIC SERVICE	745	4,468	663	321	4,429	5	1,570
1	Butlers	6	23	5		29	18	13
2	Carpet layers		2					
3	Cooks	112	489	98	75	440	4	217
4	Dining room work		2					
5	Dishwashers	104	644	114	150	606	6	321
6	Housemen	127	1,430	79		1,461	4	372
7	Kitchen work	44	222	31		242	4	84
8	Pantrymen	1	3			4	3	2
9	Panwashers	26	54	2				
10	Porters	169	1,204	125		1,172	5	360
11	Waiters	156	395	209	96	475	2	201
	MANUAL LABOR	7,073	13,422	4,203	490	16,118	4	7,945
1	Hod carriers		2					
2	Laborers	5,784	10,351	2,612	183	16,118	4	5,169
3	Laborers, railroad	1,277	2,989	1,591	307			2,776
4	Sectionmen	12	80					
	PROFESSIONAL	11	38	14		25	7	14
1	Actors	3	9					
2	Architects							
3	Artists		1			1	28	
4	Nurses	6	19	9		15	7	10
5	Teachers, swimming		2					
6	Teachers, not stated	2	7	5		9	4	4
	TRADES	1,019	2,323	1,328	714	2,787	7	1,019
1	Bakers	20	40	28	11	30	7	19
2	Barbers	3	8	4		7	15	4
3	Bartenders	11	33	21	20	35	9	13
4	Bench hands	2	9	2		11	82	3
5	Blacksmiths	35	86	52	19	82	7	46
6	Bollermakers	15	28	32		40	7	27
7	Bookbinders		2			2	7	1
8	Boxmakers	15	21	28	17	45	3	23
9	Brass finishers	1	2	2		3	21	
10	Bricklayers	6	7	12	2	13	6	4
11	Bridge builders		2			2	2	2
12	Butchers	7	22	13	3	23	5	14
13	Cabinetmakers	9	25	6	10	33	10	11
14	Calcinimers	3	7	5	7	10	3	3
15	Candy makers	1	2	4		8	7	2
16	Car builders	2	6		1	8	7	2
17	Carpenters	181	393	305	226	454	5	188
18	Cigar makers		4		3	4	10	
19	Coal miners	18	48	4	38			30
20	Core makers	2	1	2	1		30	1
21	Deck hands	5	19	9	8	18	11	16
22	Die makers		1					
23	Drill pressmen	4	82			85	3	22
24	Drop hammerers		1					
25	Electricians	14	45	20	12	51	3	16
26	Engineers	101	52	122	47	137	15	54
27	Firemen	54	184	62	49	240	5	76
28	Glass workers	1	1					2
29	Harness makers	3	3		2	6	5	2
30	Horseshoers		1					
31	Iron workers	12	27	17	17	32	2	18

Table 21—Continued.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.....	IDLENESS.		Number willing to work out of city.
		Number married.	Number single.	Number of de- pendent child- ren.		Number.	Average days idle.	
	TRADES—Concluded.							
23	Japanners.....	5	6	3	11	5		
24	Lathe hands.....	1	9	1	10	37		6
25	Laundrymen.....	21	52	31	18	65	5	30
26	Locksmiths.....	2	6		1	4	4	4
27	Machine hands.....	12	85	18	6	95	5	45
28	Machinists.....	125	271	153	84	345	8	84
29	Malsters.....	2	8					
30	Mason, brick.....	3	5	2	2			
31	Metal workers.....	12	48	8	4	60	10	9
32	Millwrights.....	1	3		3	11		1
33	Miners.....	4	11	7	4	14	4	13
34	Molders.....	32	91	39	12	93	6	37
35	Packers.....	35	132	40		162	6	68
36	Painters.....	64	137	63	54	139	3	24
37	Paper hangers.....	2	6	2		2	4	2
38	Pattern makers.....	7	11	8	1	7	4	3
39	Photographers.....		1					
40	Pipe fitters.....		1					
41	Plasterers.....		1					
42	Plumbers.....	3	6	6	3	9	3	2
43	Polishers.....	3	4	2	1	7	9	4
44	Pressmen.....	17	44	8	5	56	9	8
45	Printers.....	5	12	7	4	17	3	7
46	Punch press hands.....	3	21	1		24	8	4
47	Riggers.....	1	1					2
48	Roofers.....	5	11	7		16	2	8
49	Sawyers.....	9	9	4		2	30	1
50	Shoemakers.....	1	4		1	1	18	1
51	Steamfitters.....	30	31	51	14	54	5	10
52	Stone cutters.....		1			1	9	1
53	Stone masons.....		1					
54	Tailors.....	7	2	15		8	3	1
55	Tinsmiths.....	62	86	51		143	7	5
56	Tool makers.....	2	1	6	1	3	16	1
57	Trip hammerers.....		1					
58	Upholsterers.....	19	10	40		39	2	4
59	Wagon makers.....	1	6	1	1			3
60	Wood finishers.....		3			3	10	1
	Wood workers.....	1	20	2	2	20	8	9
	TRANSPORTATION.....	884	2,107	739	337	2,371	7	1,101
1	Barnmen.....	99	293	127	2	212	11	86
2	Coachmen.....	25	36	12	8	50	14	24
3	Drivers.....	21	120	15	13	138	3	40
4	Elevatormen.....	31	129	30	11	157	7	57
5	Hostlers.....	3	28	4		25	2	12
6	Sailors.....		1			1	12	1
7	Switchmen.....	1		2	1			
8	Teamsters.....	277	569	198	150	473	7	442
9	Telegraphers.....		3					
10	Truckmen.....	427	928	351	152	1,315	7	439
	MISCELLANEOUS.....	1,342	5,445	910	501	5,880	7	2,118
1	Apprentices.....	1	34	2		31	21	21
2	Awning men.....	1		2		1	5	1
3	Blacksmith helper.....	1	5			3	17	2
4	Bootblacks.....		9			9	1	6
5	Boys.....	2	1,111			1,113	7	376
6	Boys, bell.....		76					
7	Boys, elevator.....		17					
8	Boys, errand.....		14			3	12	1
9	Boys, hotel.....		7					
10	Brick makers.....		2					

Table 21—Continued.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	MISCELLANEOUS—Concluded.							
11	Brushmakers	2	2	2		1	14	1
12	Canvassers	2	5					
13	Carriage and wagon washers	25	34	28	1	42	4	12
14	Cement finishers		1					
15	Cleaners, harness	1	1			2	7	1
16	Coffee men		3					
17	Concrete workers		1					
18	Detectives	1						1
19	Embalmers		1					
20	Factory hands	272	1,284	261	145	1,454	8	66
21	Furnace tenders		1					
22	Gate men	3	10	2				
23	Grinders		1					
24	Handymen	435	541	61		587	2	67
25	Hotel work		5					
26	Ice cutters	38	122	52		160	18	104
27	Interpreters	1	3					3
28	Janitors	152	413	151	69	519	7	108
29	Linemen		1			1	1	1
30	Mill work	21	16	15		37	10	3
31	Molders' helpers		1					
32	Mortar mixers		1					
33	Motormen		1					
34	Office help	5	22			22	53	3
35	Oilers		6			6	15	3
36	Pin setters		36					
37	Powder mill men	12						12
38	Showmen		1					
39	Stovem en		3			1	12	1
40	Tallymen	2						
41	Tile setters		1					
42	Tobacco strippers		1					
43	Ushers		6					
44	Vise hands	1		1				1
45	Watchmen	153	102	119	89	230	15	8
46	Well drillers		1					
47	Whitewashers		4			3	7	2
48	Window dressers		1					
49	Window washers	102	397	108	187	492	4	113
50	Window wipers		2					
51	Wood choppers	2	10					8
52	Yardmen	41	186	16		146	4	63
53	Miscellaneous, not classified	66	963	95	10	1,017	5	69
	Females—15,466	5,898	9,628	3,964		12,163	16	2,255
	North Side Office	2,014	2,372	1,098		3,993	6	441
	South Side Office	1,309	3,093	1,230		4,374	3	1,346
	West Side Office	1,701	2,080	1,342		3,795	42	371
	Peoria Office	806	2,073	194				97
	CLERICAL	21	245	16		163	14	32
1	Bookkeepers	1	18					
2	Office work	13	128	5		100	15	18
3	Stenographers	7	89	11		63	13	14
	COMMERCIAL	58	240	24		124	11	37
1	Addressers	1	14			11	7	7
2	Bottle labelers	4	47	2		51	8	
3	Canvassers	6	19	3				
4	Cashiers	10	30	8		7	15	1

Table 21—Continued.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	COMMERCIAL—Concluded.							
5	Clerks	16	80	6		10	28	5
6	Checkers	1						
7	Collectors	4	3					
8	Demonstrators	5	13			13	9	8
9	Distributors		2					
10	Mail order help		6			6	36	
11	Saleswomen	3	5	1		5	20	
12	Solicitors	6	17	4		17	6	16
13	Wrappers	2	4			4	4	
	DOMESTIC SERVICE.....	5,517	7,768	3,699		10,705	14	2,078
1	Chambermaids	376	982	135		1,121	21	259
2	Cooks	629	607	327		1,126	16	314
3	Day workers	1,172	166	968		956	12	62
4	Diningroom help	62	299	13		236	18	79
5	Dishwashers	592	455	414		910	11	190
6	Dishwipers	4	2	1				
7	Domestics	185	382	53		567	53	95
8	General housework	668	2,810	285		2,660	2	546
9	Hotel help	4	10					
10	Housekeepers	228	112	74		240	13	116
11	Ironers	4	1	1				
12	Kitchen help	506	484	460		849	13	108
13	Laundresses	278	180	249		335	13	49
14	Linen room work	2	2					
15	Pantry work	40	151	26		175	7	40
16	Pastry cooks	5	3	1				1
17	Reception service		3			2	14	2
18	Scrub women	600	136	609		539	17	24
19	Second women	1	5					
20	Second work	35	311	11		271	11	15
21	Silver women	9	5	1				2
22	Waitresses	117	662	71		718	17	176
	PERSONAL SERVICE.....	11	3	2		2	14	3
1	Companions	4	3	2				
2	Lady's maids	2						2
3	Matrons	5				2	14	1
	PROFESSIONAL.....	51	165	13		89	8	42
1	Nurses	50	165	13		89	8	42
2	Teachers	1						
	TRADES.....	59	201	32		193	31	8
1	Bakers	1						
2	Cigar makers	5	17	1				1
3	Dressmakers	2	3			1	7	1
4	Milliners		2					
5	Seamstresses	51	179	31		192	31	6
	MISCELLANEOUS.....	126	1,001	78		886	47	55
1	Agents	1	2					
2	Bindery work	3	4	2		2	6	
3	Cleaner	1						
4	Factory work	72	905	45		789	48	53
5	Folders, circular		12			12	78	

Table 21—Concluded.

Number.	SEX AND CLASSIFICATION OF INDUSTRIES AND OCCUPATIONS.	CONJUGAL CONDITIONS.			Number of members of trades unions.	IDLENESS.		Number willing to work out of city.
		Number mar- ried.	Number single.	Number of de- pendent chil- dren.		Number.	Average days idle.	
	<i>MISCELLANEOUS—Concluded.</i>							
6	Janitresses	15	5	10		17	36	
7	Labelers		6					
8	Models		5					
9	Operators		9					
10	Packers		2					
11	Telephone operators	3						
12	Tobacco strippers	1	2					
13	Tray work		1					
14	Typewriters		2			2	2	
15	Vegetable women	8	3	3				1
16	Miscellaneous, not classified....	21	43	18		64	33	1

The foregoing table shows a classification by occupations in the several industries, and is supplemented by Table 22, showing in condensed form the classification by industries:

TABLE 22—*Summary of Conjugal Conditions, Members of Trades Unions, Days Idle and Number Willing to Accept Work Out of City, with Percentages.*

OCCUPATIONS.		CONJUGAL CONDITIONS.			Number of dependent children.	Number members of trades unions.	IDLENESS.		Number willing to work out of city.
SEX AND CLASSIFICATION BY INDUSTRIES.	Number of occupations in each class.	Totals.	Number married.	Number single.			Number.	Average days idle.	
Both sexes.....	246	57,489	17,391	40,098	12,208	2,456	45,880	8	17,697
Percentage—both sexes.....			30.25	69.75					30.78
Percentage—males.....			27.48	72.52		5.85			26.86
Percentage—females.....			37.78	62.22					3.92
MALES.....	182	42,023	11,548	30,475	8,344	2,456	33,718	6	15,442
Agricultural.....	7	1,774	213	1,561	222	2	1,291	7	1,310
Clerical.....	9	752	129	623	177	91	640	17	201
Commercial.....	13	620	132	488	88		177	10	164
Domestic service.....	10	5,213	745	4,468	663	321	4,429	5	1,570
Manual labor.....	4	20,495	7,073	13,422	4,203	490	16,118	4	7,945
Professional.....	6	49	11	38	14		25	7	14
Trades.....	70	3,342	1,019	2,323	1,328	714	2,787	7	1,019
Transportation.....	10	2,991	884	2,107	739	337	2,371	7	1,101
Miscellaneous.....	53	6,787	1,342	5,445	910	501	5,880	7	2,118
FEMALES.....	64	15,466	5,843	9,623	3,864		12,162	16	2,255
Clerical.....	3	266	21	245	16		163	14	32
Commercial.....	13	298	58	240	24		124	11	37
Domestic service.....	22	13,285	5,517	7,768	3,699		10,705	14	2,078
Personal service.....	3	14	11	3	2		2	14	3
Professional.....	2	216	51	165	13		89	8	42
Trades.....	5	260	59	201	32		193	31	8
Miscellaneous.....	16	1,127	126	1,001	78		886	47	55

Of the 42,023 males, 11,548, or 27.48 per cent, were married and 30,475, or 72.52 per cent, were single. Of the 15,466 females, 5,843, or 37.78 per cent, were married and 9,623, or 62.22 per cent were single. Taking the whole number (57,489) 17,391, or 30.25 per cent, were married, and 40,098, or 69.75 per cent were single. These figures are shown at the head of the table and in the total number of each sex.

There were 12,208 dependent children reported by the married of 3,864 by married women.

In six of the industries and the miscellaneous class of males, 2,456, unions; of the females there were none reported on this subject.

Each applicant registering for employment is requested to state the and are shown in Table 21 by occupations, and in this table (22) by the largest average being seventeen days in the several occupations 12,162 reporting is shown to be sixteen days; for both sexes eight days.

The number of males registering as willing to take positions outside number, 50 per cent of these are classed as manual laborers. The cities may perhaps be classed as a floating population, having no per-anywhere to accept places to work; as to females only 2,255, or 14.58

NATIONALITY OF

Every applicant for employment registers his or her nationality, not following. Here, in addition to American, appears seventeen different ification is by industries and occupations. Following this detailed of males and females and both sexes:

TABLE 23—*Nationality of all*

MALES.

Number.	Classification of Occupations.	American.	Austrian.	Bohemian.	Canadian	Danish.	English.	French.	German and Hollanders.
	AGRICULTURAL	816	5	14	18	29	60	6	327
1	Dairymen	44				1	1		13
2	Farm hands	543	2	9	3	13	27	5	208
3	Florists	1							3
4	Fruit pickers	20							8
5	Gardeners	64	1	4	2	7	7	1	45
6	Harvest hands	41							8
7	Stockmen	103	2	1	13	8	25		56
	CLERICAL	412	2	9	4	10	18	9	120
1	Bookkeepers	20			1		3		8
2	Cashiers	4							
3	Clerks, drug	3							
4	Clerks, hotel					1			
5	Clerks, shipping	26							10
6	Clerks, not stated	282	1	5	3	9	10	7	63
7	Stenographers	20					2		2
8	Stockkeepers	54	1	4			3	2	35
9	Timekeepers	3					1		2
	COMMERCIAL	454	5	3	1		15		78
1	Agents	48					1		23
2	Boys, delivery	140							
3	Boys, messenger	4							
4	Boys, office	29							
5	Canvassers	78	1	1			5		11
6	Collectors	37					1		9
7	Distributors	31	3				1		5
8	Draughtsmen	2							
9	Manager	1							

both sexes. Of this number 8,344 were reported by married men and or 6 per cent of the whole number, are reported as belonging to trade

number of days they have been idle; these days are reduced to averages industries. For 33,718 males reporting the average was six idle days, designated as clerical industry. For females the average idle days for

of the respective cities was 15,442, or 36.74 per cent of the whole number signifying a willingness to accept employment away from the manant home, or ties of any kind to hold or keep them from going per cent, were willing to go from their homes away from the cities.

APPLICANTS FOR EMPLOYMENT.

their birthplace. The record of all the offices is presented in Table 23 foreign countries, represented by applicants for employment. The class-table will be found a recapitulation showing the totals and percentages

Applicants for Employment.

MALES.

[illegible]

TABLE 23—

Number.	Classification of Occupations.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
	COMMERCIAL—Concluded.								
10	Salesmen.....	35	1	2			2		14
11	Solicitors.....	45			1		5		15
12	Storekeepers.....	1							
13	Wholesalers.....	3							1
	DOMESTIC SERVICE.....	2,223	34	56	41	40	198	78	962
1	Butlers.....	11			4		4	2	1
2	Carpet layers.....				1		1		
3	Cooks.....	333		2	1	4	24	12	89
4	Diningroom work.....	1							
5	Dishwashers.....	303		20	4	6	22	9	118
6	Housemen.....	589	11	15	12	13	70	16	357
7	Kitchen work.....	65	9	4	5		8	11	42
8	Pantrymen.....							1	1
9	Panwashers.....	59					1		4
10	Porters.....	574	14	14	6	16	43	19	263
11	Waiters.....	278			9	1	24	8	87
	MANUAL LABOR.....	8,989	290	632	208	448	447	204	2,934
1	Hod carriers.....	2							
2	Laborers.....	8,908	290	630	205	448	447	204	2,928
3	Laborers.....	7							
4	Section men.....	72		2	3				6
	PROFESSIONAL.....	31				1	4		7
1	Actors.....	6				1	1		1
2	Architects.....								
3	Artists.....	1							
4	Nurses.....	13					3		6
5	Teachers, swimming.....	2							
6	Teachers, not stated.....	9							
	TRADES.....	1,477	51	49	32	68	88	48	594
1	Bakers.....	27		3			4	2	15
2	Barbers.....	7							1
3	Bartenders.....	19		3					16
4	Bench hands.....	4		1		1			3
5	Blacksmiths.....	59	1		1		5		20
6	Boiler makers.....	19	2			1	1		7
7	Book binders.....								
8	Box makers.....	17			1				6
9	Brass finishers.....	1		1					
10	Bricklayers.....	6							3
11	Bridge builders.....	2							
12	Butchers.....	12	1			1		3	9
13	Cabinet makers.....	9	1	1		4	1		4
14	Calcinimers.....	5							
15	Candy makers.....	1							1
16	Car builders.....	3	1						
17	Carpenters.....	286	3	3	3	17	6	1	99
18	Cigar makers.....	3							
19	Coal miners.....	43	1						
20	Core makers.....	1							1
21	Deck hands.....	13			3				1
22	Die makers.....								
23	Drill press hands.....	19	7			4	1	28	3
24	Drop hammerers.....						1		
25	Electricians.....	32			2				11
26	Engineers.....	78				1	4	1	33
27	Firemen.....	122	1		8	3	8		43
28	Glass workers.....	1							1

TABLE 23—

Number.	Classification of Occupations.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
TRADES—Concluded.									
29	Harness makers.....	2				1	1		1
30	Horseshoers.....	1							
31	Iron worker.....	18		1	1	2			4
32	Japanners.....	3						1	3
33	Lathe hands.....	2							2
34	Laundrymen.....	36				3	2		14
35	Locksmiths.....	1					1		6
36	Machine hands.....	36	7	2		6	4		18
37	Machinists.....	149	8	11		11	10	2	76
38	Malsters.....	8						1	
39	Masons, brick.....	6							
40	Metal workers.....	14		2	1	2	10	1	7
41	Millwrights.....	2							1
42	Miners.....	4	3				1		2
43	Molders.....	43	1	8		2	1	1	19
44	Packers.....	69	1	6	4	2	8	1	26
45	Painters.....	100	1	1	5	1	4	4	35
46	Paperhangers.....	6					2		
47	Patternmakers.....	11	1			1			
48	Photographers.....	1							
49	Pipefitters.....	1							
50	Plasterers.....	1							
51	Plumbers.....	2	1					1	1
52	Polishers.....	4		1					
53	Pressmen.....	30		1	1		1		10
54	Printers.....	7					2		4
55	Punch press hands.....	5		1					6
56	Riggers.....								
57	Roofers.....	4	1		1	1	1		2
58	Sawyers.....	5	1					1	4
59	Shoemakers.....	1							1
60	Steamfitters.....	26	2				3		12
61	Stonecutters.....					1			
62	Stonemasons.....	1							
63	Tailors.....	1		1			2		3
64	Tinsmiths.....	62	3		1	1	1		41
65	Toolmakers.....		1				1		1
66	Triphammerers.....								1
67	Upholsterers.....	9	2	1		1	1		6
68	Wagonmakers.....	5							1
69	Wood finishers.....			1		1			1
70	Woodworkers.....	12							5
TRANSPORTATION		1,314	39	102	61	74	59	11	398
1	Barnmen.....	242	1	2	4	1	7		65
2	Coachmen.....	26			2	1	10		8
3	Drivers.....	54		8		5	4	1	33
4	Elevatormen.....	88		1		2	4		27
5	Hostlers.....	17			1	1	1		4
6	Sailors.....	1							
7	Switchmen.....	1							
8	Teamsters.....	480	10	20	19	14	11	8	87
9	Telegraphers.....	3							
10	Truckmen.....	402	28	71	35	50	22	2	174
MISCELLANEOUS		2,938	92	192	38	106	143	39	1,003
1	Apprentices.....	14		4		2			9
2	Awningmen.....	1							
3	Blacksmith helpers.....	4		2					
4	Bootblacks.....								
5	Boys.....	644		15	4	4	15	3	133
6	Boys, bell.....	76							
7	Boys, elevator.....	17							
8	Boys, errand.....	12							
9	Boys, hotel.....	7							

TABLE 23—

Number	Classification of Occupations	Ancestry							
		American	American	Polish	German	Irish	English	French	Scandinavian and Hollanders
10	Miscellaneous—Continued								
11	Bricklayers	2							
12	Bricklayers	1							1
13	Carvers	3							4
14	Carriage and wagon washers	20					4		5
15	Cement handlers	1							
16	Cement handlers								
17	Coffmakers	2							
18	Congress workers	1							
19	Electricians	1							
20	Engineers	1							
21	Factory hands	20	2	10	12	2	2	12	13
22	Furnace tenders	1							
23	Gardeners	6							3
24	Grinders								
25	Handymen	20	9	2		1	2	6	12
26	Hotel work	4							1
27	Ice cutters	20	5	7	3		4		16
28	Interpreters								1
29	Janitors	24	9	6	5	20	17	3	20
30	Laborers								1
31	Mill work	15		1			1		6
32	Molders and setters	1							
33	Mortar mixers	1							
34	Motorists	1							
35	Office men	17							7
36	Others	1							3
37	Painters	20							
38	Powder mill men	10							
39	Shoemen	1							1
40	Stovermen	2							2
41	Tailymen								
42	Tie setters	1							
43	Tobacco strippers								
44	Ufers	3					1	1	1
45	Vice hands	1							
46	Watchmen	25		5	3	2	14	1	6
47	Well drillers	1							
48	Whitewashers	1							
49	Window dressers						1		
50	Window washers	100	13	15	1	10	15	3	73
51	Window wipers	2							
52	Wood choppers	6			1				
53	Yardmen	28	3	10	3	1	5		23
54	Miscellaneous, not classified	260	4	24	6	14	19	6	200

FEMALES.

CLERICAL		199			4		9	4	24
1	Bookkeepers	17							3
2	Office work	112			3		5	4	10
3	Stenographers	70			1		4		12
COMMERCIAL		196	2	3	3	1	12	3	34
1	Addressers	14				1			
2	Bottle labelers	33		1				1	10
3	Canvassers	12	2	1			2		3
4	Cashiers	22					1		5
5	Clerks	70					5		9
6	Checkers	1							
7	Collectors	6							1
8	Demonstrators	11							3

FREE EMPLOYMENT OFFICES.

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Continued.

[illegible]

FEMALES.

[illegible]

TABLE 23—

Number.	Classification of Occupations.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
9	COMMERCIAL								
10	Distributors	1							1
11	Mail order help	4		1					1
12	Saleswomen	6							1
13	Solicitors	12			3		4	2	1
	Wrappers	6							
	DOMESTIC SERVICE	4,851	61	243	203	169	389	173	2,025
1	Chambermaids	723		10	14	7	24	16	141
2	Cooks	351	4	25	26	24	76	61	207
3	Day workers	512	5	22	13	6	53	9	185
4	Diningroom help	251		2	1	3	10	2	28
5	Dishwashers	289	9	29	19	9	22	11	229
6	Dishwipers	2							
7	Domestics	166		21	3	15	5	7	181
8	General housework	1,103	13	25	67	73	85	39	496
9	Hotel help	12							
10	Housekeepers	226			10		15	4	18
11	Ironers	5							
12	Kitchen help	285	11	41	10	15	22	4	179
13	Laundresses	206		4	4		19		74
14	Diningroom work	4							
15	Pantry work	45		4	6	1	6	2	36
16	Pastry cooks	5						1	7
17	Reception service	3							
18	Scrub women	123	19	43	6	3	20	123	17
19	Second cooks	6							
20	Second work	119			1	3	6	1	46
21	Silver women	12							
22	Waitresses	408		17	23	10	26	9	79
	PERSONAL SERVICE	12					1		
1	Companions	6							
2	Lady's maids	2							
3	Matrons	4							
	PROFESSIONAL	125			3		10	4	26
1	Nurses	124			3		10	4	26
2	Teachers	1							
	TRADES	130		3	3	2	7	4	44
1	Bakers	1							
2	Cigar makers	18							
3	Dressmakers	2							3
4	Milliners	2							
5	Seamstresses	107		3	3	2	7	4	41
	MISCELLANEOUS, NOT CLASSIFIED	644		30	10	8	12	12	173
1	Agents	3							1
2	Bindery work	5							
3	Cleaners	1							
4	Factory work	547		28	10	8	12	11	140
5	Folders circular	9							3

Continued.

Irish.	Italian.	Norwegian.	Polish.	Russian.	Scandinavian.	Scotch.	Swede.	Swiss.	Welsh.	Miscellaneous.	Not reported.	Totals.	Number.
1					1						1	23	9
												6	10
												8	11
												23	12
												6	13
2,570	51	349	407	30	21	212	973	42	29	270	217	13,285	
248		17	17	2	3	18	56	7		17	38	1,358	1
276	9	25	9	1	2	30	63	6	3	5	33	1,236	2
349	1	18	36	5		16	85	1	2	8	12	1,338	3
26		2	3			1	16			11	5	361	4
279	11	28	44	4	1	8	37	3	5	5	5	1,047	5
4												6	6
50	2	49	10		10	6	32			4	6	567	7
634	5	85	69	11	3	65	468	13		162	72	3,478	8
1										1		14	9
27	2	2			2	7	9	1	7	9	1	340	10
												5	11
201	11	23	89	3		11	49	3	2	19	12	990	12
82	2	7	2	1		18	20			9	10	458	13
												4	14
46	3	8	9			4	9	5		2	5	191	15
												8	16
												3	17
176	4	27	114	3		5	41		2	5	4	736	18
												6	19
76		26	2			7	46	1	3	5	4	346	20
										2		14	21
95	1	32	3			16	42	2	5	6	10	779	22
1												14	
1												7	1
												2	2
												5	3
17			1		3	4	10			5	8	216	
17			1		3	4	10			5	8	215	1
												1	2
52		1	5	1		1	3			2	2	260	
			2	1						1		1	1
												22	2
												5	3
												2	4
52		1	3			1	3			1	2	230	5
88	3	17	22			10	37		1	47	13	1,127	
1												3	1
												7	2
75	3	13	19			10	36		1	47	11	977	3
												12	4
													5

TABLE 23—

Number.	Classification of Occupation.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
6	Janitresses.....	13							2
7	Labelers.....	5							
8	Models.....	3							1
9	Operators.....	4							4
10	Packers.....	1							
11	Telephone operators.....	3							
12	Tobacco strippers.....	3							
13	Tray work.....	1							
14	Typewriters.....	1		1					
15	Vegetable women.....	10							
16	Miscellaneous, not classified.....	36		1				1	15

TABLE 24—*Summary of Nativity of all App*

SEX AND CLASSIFICATION OF OCCUPATION.	American.	Austrian.	Bohemian.	Canadian.	Danish.	English.	French.	German and Hollanders.
Totals both sexes.....	24,813	581	1,336	629	956	1,472	595	8,749
Males.....	18,654	518	1,067	403	776	1,062	395	6,423
Females.....	6,159	63	279	226	180	440	200	2,326
Percentage of males.....	48.58	1.35	2.75	1.05	2.02	2.69	1.03	16.73
Percentage of females.....	41.37	.42	1.87	1.52	1.21	2.96	1.34	15.62
Percentage of both sexes.....	46.56	1.09	2.51	1.18	1.79	2.76	1.12	16.42
MALES—								
Agriculture.....	816	5	14	18	29	60	6	327
Clerical.....	412	2	9	4	10	18	9	120
Commercial.....	454	5	3	1	.....	15	.....	78
Domestic service.....	2,223	34	56	41	40	196	78	962
Manual labor.....	8,989	290	632	208	448	447	204	2,384
Professional.....	31	.....	.....	.....	1	4	.....	7
Trades.....	1,477	51	49	32	68	88	48	594
Transportation.....	1,314	39	102	61	74	59	11	398
Miscellaneous.....	2,938	92	192	38	106	143	39	1,008
FEMALES.								
Clerical.....	199	.....	.....	4	.....	9	4	24
Commercial.....	198	2	3	3	1	12	3	34
Domestic service.....	4,851	61	243	203	169	389	173	2,025
Personal service.....	12	.....	.....	.....	.....	1	.....	.....
Professional.....	125	.....	.....	3	.....	10	4	26
Trades.....	130	.....	3	3	2	7	4	44
Miscellaneous.....	644	.....	30	10	8	12	12	173

Omitting the miscellaneous class and those not reporting, it is shown eighteen different countries. Of the whole number 72.06 per cent were head of the table give the total number in each nationality, while the

Considering these percentages, it will be seen that of the males 48.58 nationality. Taking the American, German and Irish nationalities, tute 75.54 per cet. For both sexes these three nationalities represent

The reports of the superintendents of the four offices follow, showing

licants for Employment, by Classified Occupations.

Irish.	Italian.	Norwegian.	Polish.	Russian.	Scandinavian.	Scotch.	Swede.	Swiss.	Welsh.	Miscellaneous.	Not reported.	Totals.
5,934	559	1,883	1,438	387	42	610	2,856	242	205	1,777	2,425	57,489
1,172	505	1,513	997	356	16	379	1,827	200	175	1,445	1,180	42,023
2,762	54	370	441	31	26	231	1,029	42	30	332	245	15,466
8.26	1.31	3.94	2.60	.93	.04	.98	4.76	.52	.46	.....	.....	.....
18.55	.36	2.49	2.96	.21	.18	1.55	6.91	.28	.20	.....	.....	.....
11.14	1.05	3.53	2.70	.73	.08	1.15	5.36	.45	.38	.....	.....	.....
67	2	82	16	3	.....	16	110	4	19	13	131	1,738
44	1	13	15	2	.....	7	28	1	1	12	44	752
24	1	2	6	.....	.....	2	5	.....	1	3	20	620
422	44	168	62	20	5	49	163	49	31	67	501	5,213
1,651	322	753	469	170	4	155	879	101	75	1,097	667	20,495
.....	.....	1	.....	.....	1	1	.....	.....	.....	1	2	49
185	13	140	104	13	2	40	152	21	15	61	225	3,378
337	51	98	66	28	.....	32	138	7	11	31	134	2,991
442	71	256	259	120	4	77	352	17	22	160	456	6,787
14	.....	3	1	.....	1	2	2	.....	.....	1	2	266
20	.....	.....	5	.....	1	2	4	.....	.....	7	3	298
2,570	51	349	407	30	21	212	973	42	29	270	217	13,285
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
17	.....	.....	1	.....	3	4	10	.....	.....	5	8	216
52	.....	1	5	1	.....	1	3	.....	.....	2	2	260
88	3	17	22	.....	.....	10	37	.....	1	47	13	1,127

that 53,287 of both sexes reported their nationality, represented by the males and 27.94 per cent were females. The first three lines at the second three lines give the percentages.

Per cent were Americans, and 41.37 per cent of the females the same of the males, they represent 73.57 per cent, while the females consist 74.12 per cent of the total number.

the work in detail for each office.

NORTH SIDE FREE EMPLOYMENT OFFICE, 259-261 NORTH CLARK STREET, CHICAGO.

EIGHTH ANNUAL REPORT FOR THE YEAR ENDED SEPTEMBER 30, 1906.

(John E. Hufmeyer, Superintendent.)

Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Illinois:

SIR—In compliance with section six of the Act of the General Assembly creating the Illinois Free Employment Offices, I herewith submit the eighth annual report of the business of the North Side office for the year ended September 30, 1906, together with the expense of maintaining the office for the same period.

This report will give in detail the work of this office for the time herein stated.

Respectfully submitted,

JOHN E. HUFMEYER,
Superintendent.

nse Account from October 1, 1905, to September 30, 1906.

.....	\$1,200 00	Advertising.....	\$ 59 60
ets and curtains	75 00	Postage.....	124 00
ory	197 85	Telephone and toll	127 30
service	7 50	Ice and water.....	2 25
.....	12 00	Miscellaneous	30 54
towel supplies	29 02	Total.....	\$1,680 81
.....	15 75		

*Report of the Chicago North Side Free Employment Office
State Bureau of Labor Statistics, for the Year Ended Sept
1906.*

MALES.

CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
	Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
ects	12	12	.....	16	4
.....	1	.....	1	1	1
.....	4	1	3	3	1
n	75	73	2	76	3
ders	11	5	6	7	2
smiths	21	17	4	22	5
makers	3	.....	3	.....	.....
keepers	10	2	8	4	2
akers	1	.....	1	.....	.....
.....	416	385	31	434	49
makers	3	1	2	5	4
rs	4	2	2	3	1
s	10	8	2	9	1
t makers	7	5	2	6	1
ssers	5	3	2	5	2
iters	49	38	11	48	10
ge and wagon washers	17	16	1	20	4
makers	3	1	2	1	.....
, not stated	103	82	21	85	3
nen	12	9	3	10	1
ors	8	3	5	5	2
.....	56	43	13	52	9
ands	4	.....	.....	5	1
akers	1	1	.....	1	.....
utors	12	12	.....	12	.....
akers	1	.....	1	2	2
ashers	74	73	1	75	2
htsmen	2	.....	2	3	3
ressmen	1	.....	1	.....	.....
s	36	34	2	34	.....
ives	1	.....	1	.....	.....
room	2	2	.....	2	.....
icians	6	4	2	5	1
ammerers	1	1	.....	2	1
ormen	27	24	3	25	1
ers	29	18	11	24	6

North Side Office—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATION FOR HELP	
		Number filed.	Number positions secured.	Number unfiled.	Number filed.	Num unfil
38	Factory hands.....	240	208	32	265	
39	Farmers.....	128	116	12	131	
40	Firemen.....	36	29	7	32	
41	Gate-men.....	13	13		16	
42	Grinders.....	1	1		1	
43	Gardeners.....	12	12		15	
44	Glass workers.....	2		2		
45	Handymen.....	554	539	15	582	
46	Housemen.....	500	498	14	498	
47	Japanners.....	11	9	2	13	
48	Iron workers.....	7	6	1	6	
49	Janitors.....	129	112	17	115	
50	Kitchenwork.....	23	22	1	23	
51	Laborers.....	2,569	2,471	98	2,707	
52	Laundrymen.....	2	1	1	1	
53	Locksmiths.....	5	5		5	
54	Machine hands.....	2		1	1	
55	Machinists.....	57	41	16	43	
56	Metal workers.....	22	16	6	22	
57	Mill work.....	37	28	9	35	
58	Millwrights.....				3	
59	Miners.....	1		1		
60	Molders.....	15	5	10	18	
61	Nurses.....	5	4	1	4	
62	Office help.....	22	9	13	10	
63	Packers.....	19	18	1	20	
64	Painters.....	37	23	14	34	
65	Paper hangers.....	3	2	1	3	
66	Pan washers.....	14	14		14	
67	Pattern makers.....	2	1	1	2	
68	Porters.....	236	226	10	235	
69	Pressmen.....	41	35	6	40	
70	Riggers.....	2	2		2	
71	Salesmen.....	7	1	6	3	
72	Sawyers.....	16	16		17	
73	Shoemakers.....	2	1	1	1	
74	Solicitors.....	22	12	10	25	
75	Steam fitters.....	10	1	9	5	
76	Stenographers.....	7	4	3	6	
77	Stock men.....	81	78	3	82	
78	Tailors.....	1				
79	Teamsters.....	56	48	8	50	
80	Time keepers.....	2	2		2	
81	Tinsmiths.....	120	103	17	128	
82	Trip hammerers.....	1	1		2	
83	Tally men.....	2	2		2	
84	Upholsterers.....				5	
85	Wagon makers.....	3	1	2	2	
86	Walters.....	15	14	1	17	
87	Watchmen.....	22	14	8	14	
88	Whitewashers.....	1	1		1	
89	Window dressers.....	1		1		
90	Window washers.....	76	74	2	84	
91	Yardmen.....	15	15		15	
Total.....		6,225	5,722	503	6,358	
Positions secured, previous applications.....			291			
Yearly total.....		6,225	6,013	212	6,358	

FEMALES.

1	Addressers.....	4	4		7	
2	Bookkeepers.....	3	1	2	1	
3	Canvassers.....				4	
4	Cashiers.....	2	1	1	1	
5	Clerks.....	10	9	1	14	

North Side Office—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
6	Chambermaids	410	388	27	481	98
7	Cooks	400	376	24	506	130
8	Dayworkers	508	491	12	504	13
9	Demonstrators	1	1		6	5
10	Dining room help	98	96	3	197	102
11	Dishwashers	271	263	8	327	64
12	Factory work	133	132	1	253	121
13	General housework	1,452	1,440	12	2,062	622
14	Housekeepers	67	46	21	70	24
15	Janitresses	3	2	1	8	1
16	Kitchen help	289	281	8	222	41
17	Laundresses	99	97	2	127	30
18	Matrons	2	1	1	5	4
19	Nurses	61	51	10	79	28
20	Office work	26	9	17	27	18
21	Pantry work	38	30	8	37	7
22	Operators	9	9		12	3
23	Scrubwomen	182	177	5	306	29
24	Seamstresses	27	20	7	53	33
25	Second work	145	136	9	184	49
26	Solicitors				3	3
27	Stenographers	26	8	18	19	11
28	Tray work	1	1		1	
29	Waitresses	122	111	11	212	101
30	Wrappers	2	2		2	
	Total	4,386	4,177	209	5,725	1,548
	Positions secured, previous applications		109	109		109
	Yearly total	4,386	4,286	100	5,725	1,439

**SOUTH SIDE FREE EMPLOYMENT OFFICE, 429-431 WABASH AVENUE,
CHICAGO.**

EIGHTH ANNUAL REPORT FOR THE YEAR ENDED SEPTEMBER 30, 1906.

(William H. Cruden, Superintendent.)

Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Illinois:

SIR—Complying with section 6 of the Act of the General Assembly creating the Illinois Free Employment Offices, I herewith submit the eighth annual report of the business of the South Side office for the year ended September 30, 1906, together with the expense of maintaining the office for the same period.

This report shows an increase of 3,153 positions secured over last year; it also shows many more mechanical positions secured, namely, 98 carpenters over last year, and twice as many blacksmiths; in factory hands, 352; machinists, 66; housemen, 324; teamsters, 171; painters, 42; and clerks, 65. This reference is made because some dissatisfied persons have reported that we secured only the most menial positions. It is also intended to call attention to the increase of work for the employes of this office, and that we are all doing more than is welcome; that there is a limit to the number of positions to be given out in this kind of an office, and unless more employes can be provided for the ensuing year at increased salaries, it may be that next year's report will fall short of this one.

Since I took charge of this office there has been added the task of paroling prisoners from the various penal institutions of this State, finding them employment, and, incidently, homes, caring for their parole reports, also their behavior. This creates here a department, which, in addition to the enforcement of law against licensed agencies, is equally important with the police department, if not greater, because its morals must be on a higher plane.

In order to successfully handle persons on parole, their conviction was not procured without expense, their reformation must necessarily cost something, and is equally essential.

At the present writing I have paroled from Menard, Randolph county, 20 prisoners; from Joliet, Will county, 17; from the State Reformatory, five; and on account of the publicity given the problem, I am constantly confronted with the work of finding positions for many discharged prisoners from other institutions, both in and out of the State. They come recommended by almost every one, who may make it their vocation to sign paroles for such persons. Our records show that we have cared for in this manner a total of 57.

Our method of keeping the record of these paroled persons has been commended by the best of judges, being men of well known and practical experience. The press, the police, and the general public are invited to examine the entire method as established in this office.

I am officially informed that the police records of this city show a decided improvement in the methods followed by agents of private employment offices, that complaints to the police department have almost ceased; the same is true as to complaints made to this office. Our record or arrests corresponding to that of the police department is a new addition, and is also open to inspection.

Respectfully submitted,

WILLIAM H. CRUDEN,
Superintendent.

Expense Account from October 1, 1905, to September 30, 1906.

Rent of office	\$1,062 00	Traveling expenses, miscellaneous, etc	\$53 61
Advertising	400 00	Ice and water	49 82
Office furniture, repairs and cleaning	335 22	Telegraphing	9 43
Postage	260 00	Total	\$2,065 32
Office supplies	218 64		
Telephone and toll service	198 69		
Light and power	77 91		

*Annual Report of the Chicago South Side Free Employment Office
to the State Bureau of Labor Statistics, for the Year Ended Sept.
35, 1906.*

MALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Agents	12	11	1	11	.....
2	Any light work	11	1	10	1	.....
3	Awning men	1	1	.....	1	.....
4	Bakers	22	21	1	22	1
5	Barbers	5	5	.....	5	.....
6	Barnmen	105	98	7	102	4
7	Bartenders	13	10	3	10	.....
8	Blacksmiths	41	36	5	52	16
9	Bollermakers	34	34	.....	55	21
10	Bootblacks	9	9	.....	9	.....
11	Bookkeepers	14	6	8	7	1
12	Boxmakers	34	29	5	29	.....
13	Boys	262	243	19	352	109
14	Bricklayers	11	10	1	10	.....
15	Butchers	14	12	2	13	1
16	Butlers	18	18	.....	21	3
17	Cabinetmakers	9	8	1	39	31
18	Carpenters	240	236	4	392	156
19	Carriage and wagon washers	30	29	1	32	3
20	Cashiers	2	2	.....	2	.....
21	Carpet layers	1	1	.....	2	1
22	Calciminers	10	10	.....	10	.....
23	Clerks, drug	1	1	.....	1	.....
24	Clerks, shipping	50	47	3	47	.....
25	Clerks, not stated	129	83	46	88	5
26	Coachmen	20	17	3	19	2
27	Collectors	11	7	4	7	.....
28	Cooks	308	285	23	307	22
29	Deck hands	18	17	1	17	.....
30	Dishwashers	464	442	22	446	4
31	Dairymen	35	33	2	33	.....
32	Distributors	26	24	2	24	.....
33	Electricians	34	30	4	33	3
34	Elevatormen	93	78	15	79	1
35	Engineers	62	37	25	45	8

South Side—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
36	Factory hands.....	675	646	29	675	29
37	Farm hands.....	305	282	23	385	108
38	Firemen.....	98	85	13	95	10
39	Gardeners.....	73	68	5	78	10
40	Handymen.....	33	33		33	
41	Harnessmakers.....	5	5		5	
42	Hostlers.....	3	3		3	
43	Housemen.....	862	790	82	793	13
44	Ice cutters.....	160	159	1	209	50
45	Interpreters.....	4	3	1	23	20
46	Ironworkers.....	29	26	3	27	1
47	Janitors.....	267	236	31	243	7
48	Kitchenwork.....	196	184	12	187	3
49	Laborers, railroad.....	4,259	4,171	88	4,984	813
50	Laundrymen.....	61	54	7	54	
51	Machine hands.....	48	46	2	46	
52	Machinists.....	106	99	7	161	62
53	Millwrights.....	1	1		1	
54	Miners.....	11	11		11	
55	Molders.....	41	40	1	106	66
56	Nurses.....	12	11	1	11	
57	Packers.....	82	77	5	80	3
58	Painters.....	78	73	5	76	3
59	Paperhangers.....	1	1		1	
60	Pantrymen.....	4	4		4	
61	Patternmakers.....	4	3	1	3	
62	Plumbers.....	5	4	1	4	
63	Porters.....	720	639	81	645	6
64	Pressmen.....	10	9	1	9	
65	Printers.....	14	11	3	11	
66	Roofers.....	16	15	1	20	5
67	Salesmen.....	36	32	4	33	1
68	Shoemakers.....	1	1		1	
69	Solicitors.....	9	9		10	7
70	Steamfitters.....	23	20	3	25	1
71	Stenographers.....	14	10	4	11	5
72	Stockmen.....	264	246	18	253	1
73	Switchmen.....	1	1		1	
74	Tailors.....	8	6	2	7	1
75	Teachers, not stated.....	9	8	1	8	
76	Teamsters.....	279	253	26	273	20
77	Telegraphers.....	2	2		2	
78	Tinsmiths.....	18	17	1	28	11
79	Truckmen.....	374	368	6	418	50
80	Ushers.....	6	6		7	1
81	Upholsterers.....	28	28		48	20
82	Waiters.....	439	396	43	411	15
83	Watchmen.....	128	109	19	111	2
84	Window washers.....	206	193	8	239	41
85	Wood chppers.....	2	2		2	
86	Yardmen.....	126	113	13	119	6
	Total.....	12,305	11,535	770	13,313	1,778

FEMALES.

1	Bindery work.....	2	2		2	
2	Cashiers.....	11	6	5	7	1
3	Clerks.....	9	5	4	12	7
4	Chambermaids.....	377	300	77	433	183
5	Companions.....	1		1	4	1
6	Cook.....	442	395	47	627	232
7	Dayworkers.....	200	194	6	215	21
8	Demonstrators.....	13	13		13	
9	Dishwashers.....	396	359	37	471	112
10	Factory work.....	187	149	38	314	165
11	General housework.....	1,208	954	254	1,999	1,045

South Side—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
12	Housekeepers	70	49	21	89	40
13	Janitresses	4	3	1	5	2
14	Kitchen help	327	286	41	428	142
15	Lady's maid	2	2	.....	2	.....
16	Laundresses	146	128	18	199	71
17	Models	5	5	.....	5	.....
18	Nurses	52	41	11	73	32
19	Office work	61	38	23	73	35
20	Pantry work	83	68	15	100	32
21	Reception service	2	2	.....	2	.....
22	Saleswomen	1	1	.....	1	.....
23	Scrubwomen	288	254	34	359	105
24	Seamstresses	21	18	3	26	8
25	Second work	94	77	17	136	59
26	Solicitors	17	17	.....	17	.....
27	Stenographers	30	14	16	20	6
28	Waitresses	353	262	91	549	287
	Total	4,402	3,642	760	6,231	2,589
	Positions secured applications previously filed .....	.....	681	681	.....	681
	Total	4,402	4,323	79	6,231	1,908

WEST SIDE FREE EMPLOYMENT OFFICE, CORNER CANAL AND
RANDOLPH STREETS, CHICAGO.

EIGHTH ANNUAL REPORT FOR THE YEAR ENDED SEPT. 30. 1906.

Hon. David Ross, Secretary, Bureau of Labor Statistics, Springfield, Ills

SIR—In compliance with section 6 of the act of the General Assembly creating the Illinois Free Employment Offices, I herewith submit the eighth annual report of the business of this office covering the period from October 1, 1905 to September 30, 1906, together with the expense account for the same period.

It is gratifying to know that the work of this office has met with favorable commendation from the public. The number of employers who are patronizing this office is steadily increasing, showing that the free employment offices of this city should be permanent institutions.

This report will give in detail the work of this office for the time herein stated.

Respectfully submitted,
S. P. REVERE,
Superintendent.

Expense Account of the West Side Office from October 1, 1905, to September 30, 1906.

Rent of office.....	\$900 00	Insurance.....	\$50 94
Light.....	44 29	Repairing, etc.....	61 52
Ice.....	64 42	City directory.....	7 50
Telephone and toll service.....	208 46	Miscellaneous.....	28 67
Towel supply.....	21 00		
Postage.....	40 00	Total.....	\$1,455 08
Advertising.....	33 23		

Annual Report of the Chicago West Side Free Employment Office to the State Bureau of Labor Statistics, for the Year Ended Sept. 30, 1906.

MALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Any light work.....	1		1		
2	Apprentices.....	31	1	30	2	1
3	Bakers.....	4	1	3	1	
4	Barbers.....	2		2		
5	Barmen.....	32	31	1	31	
6	Bartenders.....	11	5	6	5	
7	Bench hands.....	11	3	8	3	
8	Blacksmiths.....	20	10	10	10	
9	Blacksmith helpers.....	3	1	2	1	
10	Boiler makers.....	3		3		
11	Bookbinders.....	2		2		
12	Bookkeepers.....	9		9		
13	Boxmakers.....	1		1		
14	Boys.....	435	376	59	387	11
15	Boys, errand.....	3	2	1	2	
16	Boys, office.....	11	8	3	8	
17	Brass finishers.....	3		3		
18	Bricklayers.....	2	1	1	1	
19	Bridge builders.....	2		2		
20	Brush makers.....	1	1		1	
21	Butchers.....	9	2	7	2	
22	Butlers.....	1	1		1	
23	Cabinet makers.....	17	12	5	12	
24	Candy makers.....	2	2		2	
25	Canvassers.....	22	22		31	9
26	Car builders.....	8	8		15	7
27	Carpenters.....	165	131	34	153	22
28	Carriage and wagon washers.....	12	11	1	11	
29	Cigar makers.....	1		1		
30	Cleaners, harness.....	2	2		2	
31	Clerks, hotel.....	2	1	1	1	
32	Clerks, shipping.....	1		1		
33	Clerks, not stated.....	145	21	124	22	

West Side Office—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
34	Coachmen.....	18	13	5	13	
35	Collectors.....	2		2		
36	Cooks.....	76	49	27	49	
37	Core makers.....	2		2		
38	Dishwashers.....	68	63	5	63	
39	Drill pressmen.....	85	45	40	45	
40	Drivers.....	102	31	71	31	
41	Electricians.....	11	1	10	1	
42	Elevatormen.....	37	5	32	5	
43	Engineers.....	46	14	32	14	
44	Factory hands.....	539	448	91	448	
45	Farm hands.....	377	326	51	343	17
46	Firemen.....	106	51	55	51	
47	Gardeners.....	16	10	6	11	1
48	Harness makers.....	1		1		
49	Hostlers.....	22	19	3	19	
50	Housemen.....	99	69	30	69	
51	Iron workers.....	3		3		
52	Janitors.....	123	78	50	74	1
53	Kitchen work.....	23	16	7	16	
54	Laborers.....	9,300	9,295	5	9,359	64
55	Lathe hands.....	10	4	6	4	
56	Laundrymen.....	4	4		4	
57	Linemen, not stated.....	1		1		
58	Locksmiths.....	1	1		1	
59	Machine hands.....	47	31	16	31	
60	Machinists.....	182	74	108	74	
61	Metal workers.....	38	35	3	37	2
62	Millwrights.....	2		2		
63	Miners.....	3	3		3	
64	Molders.....	52	50	2	50	
65	Molder's helpers.....	1		1		
66	Nurses.....	3	2	1	2	
67	Oilers.....	6		6		
68	Packers.....	61	42	19	42	
69	Painters.....	24	8	16	8	
70	Paper hangers.....	1	1		1	
71	Pattern makers.....	3	1	2	4	3
72	Plumbers.....	4	2	2	2	
73	Polishers, not stated.....	7	5	2	5	
74	Porters.....	216	181	35	181	
75	Pressmen.....	5	4	1	4	
76	Printers.....	3		3		
77	Punch press hands.....	24	15	9	15	
78	Sailors.....	1		1		
79	Salesmen.....	4		4		
80	Sawyers.....	2	1	1	1	
81	Shoemakers.....	1		1		
82	Solicitors.....	1		1		
83	Steam fitters.....	21	17	4	17	
84	Stenographers.....	3	2	1	2	
85	Stock keepers.....	151	146	5	146	
86	Stone cutters.....	1	1		1	
87	Stovemmen.....	1	1		1	
88	Teamsters.....	138	91	47	91	
89	Time keepers.....	4		4		
90	Tinsmiths.....	5	3	2	3	
91	Tool makers.....	3	2	1	2	
92	Truckmen.....	941	929	12	939	10
93	Upholsterers.....	1	1		5	4
94	Vice hands.....	1		1		
95	Waiters.....	21	11	10	12	1
96	Watchmen.....	80	30	50	30	
97	Whitewashers.....	8	3		3	
98	Wholesale men.....	6		6		
99	Window washers.....	210	206	4	206	
100	Wood finishers.....	3	1	2	3	2
101	Wood workers.....	20	20		20	
102	Yardmen.....	5	5		5	
103	Miscellaneous, not classified.....	1,017	960	57	967	7
	Grand totals.....	15,372	14,074	1,298	14,237	165

West Side Office—Concluded.

FEMALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Addressers.....	11	5	6	7	2
2	Bottle labelers.....	51	46	5	48	2
3	Cashiers.....	7		7		
4	Clerks.....	1	1		1	
5	Chambermaids.....	234	234	50	312	26
6	Cooks.....	294	202	32	255	53
7	Dayworkers.....	253	105	147	110	4
8	Diningroom help.....	126	116	22	164	48
9	Dishwashers.....	243	210	33	229	19
10	Domestics.....	567	521	46	984	463
11	Dressmakers.....	1	1		2	
12	Factory work.....	469	443	26	605	162
13	Folders, circular.....	12	12		16	4
14	Housekeepers.....	108	34	69	46	12
15	Janitresses.....	10	2	8	2	
16	Kitchen help.....	223	199	24	225	26
17	Laundresses.....	189	164	25	179	15
18	Mail order help.....	6	6		8	2
19	Matrons.....	2		2		
20	Nurses.....	37	24	13	30	6
21	Office work.....	13	2	11	5	3
22	Pantry work.....	54	35	19	44	9
23	Reception service.....	1	1		2	1
24	Saleswomen.....	4		4		
25	Scrubwomen.....	251	223	28	240	17
26	Seamstresses.....	171	161	10	201	40
27	Second work.....	32	19	13	34	15
28	Stenographers.....	7	1	6	1	
29	Type writers.....	2		2	1	1
30	Waitresses.....	243	217	26	253	36
31	Wrappers.....	4	4		5	1
32	Miscellaneous, occupation not stated.....	64	63	1	85	22
	Grand totals.....	3,797	3,102	695	4,094	992

Statement of the Expenses of the Peoria, Illinois Free Employment Office for the Year Ended Sept. 30, 1906,

Rent of offices	\$780 00	Telephone toll service	\$112 55
Advertising	328 00	Telegrams, messengers, etc.	26 55
Postage	30 50	City directory	5 00
Ice	5 50	Storage	3 00
Street sprinkling	5 00	Office desk	17 00
Tyvals, etc.	13 20	Miscellaneous expenses	33 70
Janitor service	86 00		
Electric light service	16 17	Total	\$1,511 31
Telephone toll service	49 14		

Annual Report of Peoria Free Employment Office, to the State Bureau of Labor Statistics, for the Year Ended Sept. 30, 1906.

MALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Agents	68	68		75	7
2	Apprentices	4	4		4	
3	Bakers	30	23	7	30	7
4	Barbers	4	4		4	
5	Barmen	180	178	2	179	1
6	Bartenders	9	7	2	7	
7	Blacksmiths	38	28	10	29	1
8	Blacksmiths, mine	1	1		1	
9	Blacksmith helpers	3	3		3	
10	Boilermakers	3	2	1	2	
11	Bookkeepers	5	4	1	4	
12	Boys, bell	76	76		81	5
13	Boys, delivery	140	133	7	138	5
14	Boys, elevator	17	16	1	16	
15	Boys, errand	11	11		11	
16	Boys, messenger	4	4		4	
17	Boys, office	31	30	1	30	
18	Boys, waiter	6	6		6	
19	Boys, water	1	1		1	
20	Brickmakers	2	2		2	
21	Butchers	2	2		2	
22	Cabinetmakers	1		1		
23	Candy-makers	1	1		1	
24	Canvassers	77	76	1	76	
25	Canvassers	7	7		9	2
26	Carpenters	120	108	14	106	
27	Carpet layers	1	1		1	
28	Cashiers	2	1	1	1	
29	Cement finishers	1		1		
30	Clerks, drug	2	1	1	1	
31	Clerks, shipping	1	1		1	

Peoria Office—Continued.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
32	Clerks, not stated	98	51	42	51	.....
33	Coachmen	11	5	6	5	.....
34	Coal miners	66	66	.....	117	51
35	Coffee men	3	3	.....	3	.....
36	Collectors	31	28	3	28	.....
37	Concrete workers	1	.....	1	.....	.....
38	Cooks	161	143	18	153	10
39	Cooks, second .....	.....	.....	2	2	2
40	Dairy hands	37	35	2	35	.....
41	Deck hands	2	2	.....	2	.....
42	Dishwashers	142	141	1	143	2
43	Distributors	13	13	.....	13	.....
44	Draughtsmen .....	.....	.....	.....	2	2
45	Drivers	3	3	.....	3	.....
46	Electricians	8	4	4	4	.....
47	Elevatormen	3	3	.....	3	.....
48	Embalmers	1	.....	1	.....	.....
49	Engineers	16	8	8	9	1
50	Factory hands	102	80	22	91	11
51	Farm hands	280	264	16	271	7
52	Firemen	34	22	12	23	1
53	Florists	1	.....	1	.....	.....
54	Fruit pickers	23	23	.....	25	2
55	Furnace tenders	1	1	.....	1	.....
56	Gardeners	54	53	1	54	1
57	General work	3	2	.....	2	.....
58	Handymen	337	395	2	398	3
59	Harvest hands	52	52	.....	61	9
60	Hod carriers	2	1	1	1	.....
61	Horseshoers	1	.....	1	.....	.....
62	Hostlers	6	5	.....	5	.....
63	Hotel work	5	3	2	3	.....
64	Housemen	96	94	2	96	2
65	Janitors	46	37	9	37	.....
66	Kitchen work	24	24	.....	24	.....
67	Laborers	4,276	4,198	88	4,355	157
68	Laborers, railroad	7	7	.....	7	.....
69	Laundrymen	6	6	.....	6	.....
70	Locksmiths	2	2	.....	2	.....
71	Malsters	10	10	.....	10	.....
72	Machinists	51	45	6	50	5
73	Masons, brick	8	7	1	7	.....
74	Managers	1	1	.....	1	.....
75	Millwrights	1	.....	1	.....	.....
76	Molders	15	10	5	30	20
77	Mortar mixers	1	1	.....	1	.....
78	Motormen	1	.....	1	.....	.....
79	Nurses	5	4	.....	4	.....
80	Office help	5	.....	5	.....	.....
81	Packers	5	5	.....	5	.....
82	Painters	62	53	9	57	4
83	Paper hangers	3	2	1	2	.....
84	Pan washers	66	66	.....	66	.....
85	Pattern makers	9	6	3	13	7
86	Photographers	1	.....	1	.....	.....
87	Pipe fitters	1	1	.....	1	.....
88	Plasterers	1	1	.....	1	.....
89	Porters, bar	1	1	.....	1	.....
90	Porters	200	196	4	196	.....
91	Powder mill men	12	12	.....	12	.....
92	Pressmen	5	4	1	4	.....
93	Salesmen	21	17	4	21	4
94	Sectionmen	92	92	.....	161	69
95	Shoemakers	1	.....	1	.....	.....
96	Showmen	1	1	.....	1	.....
97	Solicitors	37	37	.....	45	8
98	Steam fitters	6	5	1	6	1

Peoria Office—Continued.

FEMALES.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
1	Agents	3	3	.....	3	.....
2	Bakers	1	1	.....	1	.....
3	Bookbinders	5	4	1	4	.....
4	Bookkeepers	16	5	11	5	.....
5	Canvassers	25	25	.....	31	6
6	Cashiers	20	14	6	15	1
7	Cigarmakers	22	22	.....	22	.....
8	Clerks	76	43	33	43	.....
9	Cleaners	1	1	.....	1	.....
10	Checkers	1	1	.....	1	.....
11	Chambermaids	237	206	29	219	11
12	Collectors	7	4	3	4	.....
13	Companions	6	5	1	5	.....
14	Cooks	110	92	18	109	17
15	Day workers	332	230	102	230	.....
16	Demonstrators	4	2	2	2	.....
17	Diningroom help	125	115	10	122	7
18	Dishwipers	6	6	.....	6	.....
19	Dishwashers	137	131	6	134	3
20	Distributors	2	2	.....	2	.....
21	Dressmakers	4	3	1	3	.....
22	Factory work	186	164	24	179	15
23	General housework	818	814	4	1,036	222
24	Hotel help	14	7	7	7	.....
25	Housekeepers	99	61	38	68	7
26	Housekeepers, hotel	1	.....	1	.....	.....
27	Ironers	5	5	.....	5	.....
28	Janitresses	3	2	1	2	.....
29	Kitchen help	141	131	10	136	5
30	Labelers	6	6	.....	6	.....
31	Laundresses	20	13	7	13	.....
32	Laundry work	4	1	3	1	.....
33	Linenroom work	4	4	.....	4	.....
34	Matrons	1	1	.....	1	.....
35	Milliners	2	1	1	1	.....
36	Nurse girls	45	31	14	34	3
37	Nurses	20	13	7	13	.....
38	Office work	51	15	36	15	.....
39	Packers	2	2	.....	2	.....
40	Pantry work	16	15	1	15	.....
41	Pastry cooks	8	6	2	7	1
42	Saleswomen	3	2	1	2	.....
43	Scrubwomen	15	13	2	13	.....
44	Seamstresses	11	8	3	8	.....
45	Second cooks	6	4	2	4	.....
46	Second work	75	66	9	72	6
47	Silver women	14	14	.....	16	2
48	Solicitors	6	5	1	19	14
49	Stenographers	33	12	21	12	.....
50	Teachers, school	1	1	.....	1	.....
51	Tobacco strippers	3	3	.....	3	.....
52	Telephone operators	3	2	1	2	.....
53	Vegetable women	12	11	1	11	.....
54	Waitresses	60	56	4	60	4
55	Waitresses, head	1	1	.....	1	.....
Totals		2,883	2,459	424	2,783	324

Peoria County—Concluded.

Number.	CLASSIFICATION OF OCCUPATIONS.	APPLICATIONS FOR EMPLOYMENT.			APPLICATIONS FOR HELP.	
		Number filed.	Number positions secured.	Number unfilled.	Number filed.	Number unfilled.
	Positions secured — applications previously filed—					
	Bookkeepers		2	2		2
	Chambermaids		2	2		2
	Clerks		1	1		1
	Day work		8	8		8
	Diningroom work		1	1		1
	Factory work		4	4		4
	General housework		1	1		1
	Hotel work		1	1		1
	Housekeepers		2	2		2
	Kitchen work		1	1		1
	Mangle girls		1	1		1
	Nurse girls		1	1		1
	Solicitors		1	1		1
	Stenographers		2	2		2
	Vegetable girls		1	1		1
	Totals		29	29		29
	Total females	2,883	2,488	395	2,783	295

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